

QY

301

TATGAGATGTGGCGCAACTACCTTTCTTGTTCGGGCGCGTGGGTCTACTTCAAGACG

360

Db

310

TATGAGATGTGGCGCAACTACCTTTCTTGTTCGGGCGCGTGGGTCTACTTCAAGACG

369

QY

361

GCCTCTTTGAGACCGTGTGCTTGCCTTCCATCTCAGCATCAACCGTCAGCGTGGAG

420

Db

370

GCCTCTTTGAGACCGTGTGCTTGCCTTCCATCTCAGCATCAACCGTCAGCGTGGAG

429

QY

421

CGTACGTGGCCATCTACACCGTTCGGCGCCAACTGCAGAGACCCGGCGCGGGCC

480

Db

430

CGTACGTGGCCATCTACACCGTTCGGCGCCAACTGCAGAGACCCGGCGCGGGCC

489

QY

481

CTCAGATCTCGGCGATCGTGTGGGCTTCTCCGTCCTTCTCTCCCTGCCCAACACGAGC

540

Db

490

CTCAGATCTCGGCGATCGTGTGGGCTTCTCCGTCCTTCTCTCCCTGCCCAACACGAGC

549

QY

541

ATCCATGGCATCAAGTTCACCTACTTCCCAATGGTCCCTGGTCCCAGGTTCGGCCACC

600

Db

550

ATCCATGGCATCAAGTTCACCTACTTCCCAATGGTCCCTGGTCCCAGGTTCGGCCACC

609

QY

601

TGTACGTCATCAAGCCCATGTGGATCTCAATTTTCATCTCCAGGTCACTCTTCTTA

660

Db

610

TGTACGTCATCAAGCCCATGTGGATCTCAATTTTCATCTCCAGGTCACTCTTCTTA

669

QY

661

TTCCTACCTCCCTCCCATGACTGTATCATGATGTCTCTACTACTCATGGCACTCAGAGTG

720

Db

670

TTCCTACCTCCCTCCCATGACTGTATCATGATGTCTCTACTACTCATGGCACTCAGACTA

729

QY

721

A 721

Db

730

A 730

RESULT 2

US-09-668-680-12

; Sequence 12, Application US/09668680

; Patent No. 6436703

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Zhou, Ping

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Wang, Jian-Rui

; APPLICANT: Xue, Aidong J.

; APPLICANT: Xu, Chongjun

; APPLICANT: Drmanac, Radoje T.

; TITLE OF INVENTION: Poly 6436703el Nucleic Acids and

; FILE REFERENCE: 790CIP2A

; CURRENT APPLICATION NUMBER: US/09/668,680

; CURRENT FILING DATE: 2000-09-22

; PRIOR APPLICATION NUMBER: 09/649,167

; PRIOR FILING DATE: 2000-08-23

; PRIOR APPLICATION NUMBER: 09/540,217

; PRIOR FILING DATE: 2000-03-31

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: pt_FL_genes Version 2.0

; SEQ ID NO 12

; LENGTH: 1535

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(1338)

US-09-668-680-12

Query Match

38.7%;

Score 282.4;

DB 4;

Length 1535;

Best Local Similarity

66.0%;

Pred. No. 1.5e-53;

Matches 409;

Conservative

0;

Mismatches 211;

Indels

0;

Gaps

0;

QY

103

GGACCTGGCGCAGCCACTTCTTCTCCCGTGTCTGTGGTGTATGTGCCAATTTTGTG

162

Db

214

GGGCCCCAGCAGACAGAGCTGTTCATGCCCATCTGTGCCACATACCTCTGATCTTCGTG

273

QY

163

GTGGGGGTCAATGGCAATGTCTCTGTGTGCTGTGGTGAATTCGACGACACAGGCTATGAAG

222

Db

274

GTGGGGGTGTGGGCAATGGGCTGACCTGTCTGGTCACTCTCTGCCCAAGGCCATGGCG

333

QY

223

AGCCCCACCACTACTACTCTTTCAGCCTGGGGTCTCTGACCTCTCTGGTCTCTCTCTT

282

Db

334

ACGCTTACCACTACTACTCTTTCAGCCTGGGGTCTCTGACCTCTCTGGTCTCTCTCTT

393

QY

283

GGATGCCCTGGAGTCTATGAGATGTGGGCAACTACCTTTCTTGTTCGGGCGCGTG

342

Db

394

GGCTGCCCTGGAGTCTATGAGATGTGGCAAACTACCTTCTCTGCTGGGCGTGTGT

453

QY

343

GGCTGTACTCAAGACGCGCTCTTTGAGACCGTGTCTTGGCTCTCTCTCAGCATC

402

Db

454

GGCTGTACTTTCCGACGCTACTTTTGGATGGTCTTGGCTGGCTCTAGTGTCTAACGTC

513

QY

403

ACCACCGTCAGCGTGGAGCGCTACGTCGCTTACACCCCTTCCGGGCGCAAACTGCAG

462

Db

514

ACTGCCCTGAGCGTGGAGCGCTATGTGGCGGTGTGACCCACTCCAGGCCAGGTCCATG

573

QY

463

AGACCCGGCGCGGCGCTCTAGATCTTCGGCATGTCTGGGGTCTTCTGGTCTCTCTT

522

Db

574

GTGACGCGGCGCGCTGTGGCGGAGTGTGGGGCGCTTGGGGTCTTGGCATGCTCTGC

633

QY

523

TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCCTACTTCCCAATGGTCCCTG

582

Db

634

TCCCTGCCCAACACAGCATCCATGGCATCCAGCGCTGCGGCGCTTCCCGGGGCGCA

693

QY

583

GTCCAGGTTGGCGCACCTGTACGTCATCAAGCCCATGTGGATCTACAATTTTCATC

642

Db

694

GTGCCAGATCAGCTGTGTGGCATGTGTGCTCCCGCCACGCGGCGCTTACACATGTAGTG

753

QY

643

CAGGTCACTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT

702

Db

754

CAGACCCGCGCTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT

813

QY

703

CTCATGGCACTCAGAGTGAG 722

Db

814

CTCATGGGCTGCGACTGCG 833

RESULT 3

US-09-170-496D-113

; Sequence 113, Application US/09170496D

; Patent No. 6555339

; GENERAL INFORMATION:

; APPLICANT: Behan, Dominic P.

; APPLICANT: Chalmers, Derek T.

; APPLICANT: Liaw, Chen W.

; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-

; TITLE OF INVENTION: Receptors

; FILE REFERENCE: AREN-0040

; CURRENT APPLICATION NUMBER: US/09/170,496D

; CURRENT FILING DATE: 1998-10-13

; NUMBER OF SEQ ID NOS: 294

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 113

; LENGTH: 1212

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-170-496D-113

Query Match

38.5%;

Score 280.8;

DB 4;

Length 1212;

Best Local Similarity

65.8%;

Pred. No. 3.2e-53;

Matches 408;

Conservative

0;

Mismatches 212;

Indels

0;

Gaps

0;

QY

103

GGACCTGGCGCAGCCACTTCTTCTCCCGTGTCTGTGGTGTATGTGCCAATTTTGTG

162

Db

88

GGGCCCCAGCAGACAGAGCTGTTCATGCCCATCTGTGCCACATACCTGTGATCTCGTG

147

QY

163

GTGGGGGTCAATGGCAATGTCTTGTGTCTTGTGGTGTATTTCTGCAGCACGAGCTATGAAG

222

Db 599 GGTGGCTCTGGACTGCTCACGGTCATGGTGGGTGCCAGCATCTTCTTCTTCCTCC 658
Qy 672 CCCCATGACTGTCA 685
Db 659 TGTCTTCTGTCTCA 672

RESULT 7

US-09-077-674-6
; Sequence 6, Application US/09077674
; Patent No. 6531314
; GENERAL INFORMATION:
; APPLICANT: Arena, Joseph P.
; APPLICANT: Cully, Doris F.
; APPLICANT: Feigner, Scott D.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Liberator, Paul A.
; APPLICANT: Schaeffer, James M.
; APPLICANT: Van Der Ploeg, Leonardus
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,674
; FILING DATE: 3-JUN-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19589P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1088 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-077-674-6

Query Match 16.5%; Score 120.4; DB 4; Length 1088;
Best Local Similarity 52.3%; Pred. No. 6.1e-18;
Matches 290; Conservative 0; Mismatches 261; Indels 3; Gaps 1;
Qy 132 CGTGTCTGTGGTATGTGCAATTTTGTGGTGGGGTCAATGGCAATGTCCTGGTGTG 191
Db 122 CGTCACAGCACTGGTGGCACTCTCTGTGGTGGGTATCGTGGCAACTGCTCACCAT 181
Qy 192 CTGGGTGATTTCTGAGCACCAGGCTATGAGAGCGCCACCACTACTACTCTTACGCT 251
Db 182 GCTGGTGGTCTCGGCTTCGGAGCTCGGCACACCACCACTCTACTCTGTCAGCAT 241
Qy 252 GCGGCTCTGACTCTCTGCTCTCTCTGTAATGCCCTGGAGTCTAGATGTG 311
Db 242 GGCCTTCTCCGAT---CTGCTCATCTCTCTCTGTCATGCCCTGGACCTGTCGCTCG 298

Qy 312 GCGCAACTACCTTTCTTGTTCGGGCCCGTGGGCTGCTACTTCAAGACGGCCCTCTTTGA 371
Db 299 GCAGTACCGGCCCTGGAACTTCGGGCACCTCTCTGCAAACTCTTCCAATTCGTCASTGA 358
Qy 372 GACGGTGTGCTTCGCTCCATCCTCAGCATCACCACCGTCAGCGTGGAGCGTACGTGGC 431
Db 359 GAGCTGCACCTACGCCACGGTGTCTCACCATCAGCGCTGAGCGTACGAGCGTACTTCGC 418
Qy 432 CATCTACACCCGTTCCGGCCCAAACTGCAGAGCACCCCGCGCGCGGCCCTCAGGATCCT 491
Db 419 CATCTGCTTCCACTCGGGCCAGGTGGTGCACCAAGGGCGGGTGAAGTGTGTCAT 478
Qy 492 CGGCATGCTCGGGGCTTCCCGTGTCTTCTCCCTGCCCAACACACAGATCCATGGCAT 551
Db 479 CTTGCTCATCTGGCGGTGGCTTCTGCAGCGCGCGGCCCATCTTGTGTAGTCCGGGT 538
Qy 552 CAAGTTCCACTACTTCCCAATGGTCCCTGGTCCAGGTTCCGCCACCTGTACGGTTCAT 611
Db 539 GGAGCACGAGACGGCACCGACCTTTGGGACACACAGAGTGGCGGCCACCGAGTTGC 598
Qy 612 CAAGCCCATGTGGATCTACAAATTCATCATCCAGGTCCACCTCTCTTCTTCTACCTCCT 671
Db 599 GTGCGCTCTGGACTGTCTACGGTCAATGGTGTGGGTGTCAGCATCTTCTTCTCTTCC 658
Qy 672 CCCCATGACTGTCA 685
Db 659 TGTCTTCTGTCTCA 672

RESULT 8

US-09-016-434-1148
; Sequence 1148, Application US/09016434
; Patent No. 8500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1101 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

;; CITY: Railway
;; STATE: NJ
;; COUNTRY: USA
;; ZIP: 07065-0900
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/077,674
;; FILING DATE: 3-JUN-1998
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Cocuzzo, Anna L.
;; REGISTRATION NUMBER: 42,452
;; REFERENCE/DOCKET NUMBER: 19589P
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 732-594-1273
;; TELEFAX: 732-594-4720
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 9:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1122 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cdna
;; US-09-077-674-9

Query Match 16.5%; Score 120.4; DB 4; Length 1122;
Best Local Similarity 52.3%; Pred. No. 6.1e-18;
Matches 290; Conservative 0; Mismatches 281; Indels 3; Gaps 1;

QY 132 CGTGTCTGTGTGTATGTCGCAATTTTGTGTGGGGTTCATTTGGCAATTCCTGTGTG 191
DB 387 CGTCACAGCCACCTGCGTGGCACTTCTGTGTGGTATCGTGGCAACCTGTCCACCAT 446

QY 192 CTTGGTATTCGAGCAACGAGGTATGAGACGCCACCACTACTACTCTTTCAGCCT 251
DB 447 GCTGTGTGTGCGGGCTTCCGCGAGCTGGCACCACCACCACTTACCTGTCCAGCAT 506

QY 252 GGGGTCTCTACCTCTGCTGCTGCTTGTGGATGCCCTGGAGTCTATGAGATGTG 311
DB 507 GGCCTTCTCCGAT---CTGCTCATCTTCTCTGATGCCCTGGACCTGTTCGCTCTG 563

QY 312 GCGCAACTACCTTCTTGTTCGGGCCCGTGGGTGCTACTTCAAGACGGCCCTCTTTGA 371
DB 564 GCAGTACCGGCCCTGGAACTTGGCGGACCTCTCTGCAAACTCTTCCAAATTCGTAGTGA 623

QY 372 GACCGTGTGCTGCGCTCCATCTCTAGCATCACACCGTTCAGCTGAGCGCTACGTGGC 431
DB 624 GAGCTGCACCTACGCGACCGGTGCTCACCATCACAGCGCTGAGCGTCGAGCGCTACTTCGC 683

QY 432 CATCTACACCGGTTCGCGGCAACTGCAGACACCGCGCGCGGCCCTCAGATCCT 491
DB 684 CATCTGCTTCCACTCCGCGGCAAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 743

QY 492 CGGCATCTGTGGGCTTCTCGTCTCTTCTCTGCTGCTTCTCTGCTGCTGCTGCTGCTGCTGCT 551
DB 744 CTTCTGCTATCTGGGCGGTGGCTTCTGAGCGCGCGGCCCATCTTCTGTGTGTGTGTGTGTGT 803

QY 552 CAAGTTCCACTACTTCCCAATGGGTCTCTGTCCTCCAGTTTCGCGCACTGTACGGTTCAT 611
DB 804 GGAGCACGAGAACGCGACCGCCCTTGGACACCAACGAGTGGCGCGGCCACCGAGTTTCG 863

QY 612 CAAGCCCATGTGGATCTCAATTCATCATTCAGGTACCTCTCTCTCTCTCTCTCTCTCTCTCT 671
DB 864 GGTGGGCTCTGAGCTGCTCACCGTTCATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 923

QY 672 CCCCATGACTGTCTCA 685
DB 924 TGTCTTCTGTCTCA 937

RESULT 13
US-09-077-675A-1
; Sequence 1, Application US/09077675A
; Patent No. 6242199
; GENERAL INFORMATION:
; APPLICANT: Pai, Lee-Yuh
; APPLICANT: Feighner, Scott C.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Pong, Sheng-Shung
; APPLICANT: Van Der Ploeg, Leonardus H.T.
; TITLE OF INVENTION: RECEPTOR ASSAY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,675A
; FILING DATE: 3-JUN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19590P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1063 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-09-077-675A-1

Query Match 15.6%; Score 114; DB 3; Length 1063;
Best Local Similarity 52.2%; Pred. No. 1.5e-16;
Matches 302; Conservative 0; Mismatches 270; Indels 6; Gaps 2;

QY 132 CGTGTCTGTGTGTATGTCGCAATTTTGTGTGGGGTTCATTTGGCAATTCCTGTGTG 191
DB 97 CGTCACCGCCACCTGCGTGGCGCTCTTGTGTGGTATCGCGGCAACCTGCTCAGCAT 156

QY 192 CTTGGTGTATTCGAGCACACAGGCTATGAAGACGCCCAACCACTACTACTCTTTCAGCCT 251
DB 157 GCTGTGTAGTGTACGCTTCCGCGAGATGGCACCACCACCACTTACTCTGTCAGCAT 216

QY 252 GGGGTCTCTGAGCCTCCTGCTCTGCTTGGATGCCCTGGAGGTCTATGATGTG 311
DB 217 GGCCTTCTCCGACCTAC---TCATCTTCTCTGATGCCCTTCGACCTTTCGCGCTCTG 273

QY 312 GCGCAACTACCTTCTTGTTCGGGCCGTGGGTGCTACTTCAAGACGGCCCTCTTTTGA 371
DB 274 GCAGTACCGGCCCTTGGAACTTGTGGCAACCTGTCTTGCAAACTCTTCCAGTTTCGTAGCGA 333

QY 372 GACGCTGTGCTTCCGCTCCATCTCAGCATCACACCGTGTAGCGTGTGAGCGCTACGTGGC 431
Db 334 GAGCTGACCTACGCCACAGTGTCTCAGCATCACCGCGCTGAGCGTGTGAGCGCTACTTCGC 393
QY 432 CATCTACACCGCTCCGCGCAACTGCAGACACCGCGCGCGCCCTCAGATCCT 491
Db 394 CATCTGCTCCGCTGCGCGCAAGGTAGTGTTCACCAAGGCGCGGTAAAGCTGTGTAT 453
QY 492 CGGCATGCTGTGGGCTTCTCCGCTGCTTCTCCTGCTGCCAAGACACAGCATCCATGGCAT 551
Db 454 CTTGTGTATCTGGGCGGTGGCTTCTGAGCGCGCGGCCCATCTTCTGTGTGTGGAGT 513
QY 552 CAAGTTCACACTTCCCAATGGGTCCCTGCTCCAGGTTCCGCCACCTGTAGCGTAT 611
Db 514 GGAGCATGATAACGCACTGACCTTCGCGACACCAACGAGTGGCGCGCCAGGATTCGC 573
QY 612 CAAGCCCATGTGATCTACAAATTCATCATCAGGTACCTCCTTCTATTTACCTCCT 671
Db 574 CGTGGCTCCGCGGTGCTTACCGTGTATGCTGTGGTGTGCGGTGTCTTCTCTCTCTCT 630
QY 672 CCCCATGACTGTACAGTGTCTTACTACTACTACTACTACTACTACTACTACTACTACT 709
Db 631 GCCTGTCTTGTGCTTCACTGTGCTCTATAGCCTCATCG 668

RESULT 14
US-09-077-674-1
; Sequence 1, Application US/09077674
; Patent No. 6531314
; GENERAL INFORMATION:
; APPLICANT: Arena, Joseph P.
; APPLICANT: Cully, Doris F.
; APPLICANT: Feighner, Scott D.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Liberator, Paul A.
; APPLICANT: Schaeffer, James M.
; APPLICANT: Van Der Ploeg, Leonardus
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,674
; FILING DATE: 3-JUN-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19589P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1063 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna

US-09-077-674-1
Query Match 15.6%; Score 114; DB 4; Length 1063;
Best Local Similarity 52.2%; Pred. No. 1.5e-16;
Matches 302; Conservative 0; Mismatches 270; Indels 6; Gaps 2;
QY 132 CGTGTCTGTGTGTATGTGCAATTTTGTGTGTGGGTTCATGTGCAATGTCTGTGTGTG 191
Db 97 CTTCAACCGCCACTCGTGGCTCTTCTGTGTGTGTATCGCGGCAACCTGCTCAGCAT 156
QY 192 CTTGTGTATTCGACGACCAAGCATATGAAGACGCGCCACCACTACTACTCTTTCAGCT 251
Db 157 GT 216
QY 252 GCGGTGTCTGTGACCTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 311
Db 217 GCGCTTCTCGACCTAC---TCATCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 273
QY 312 GCGCAACTACCTTCTTGT 371
Db 274 GCAGTACCGGCTTGGAACTTGGCAACCTGTCTGTGCAAACTCTTCCAGTTCTGTAGCA 333
QY 372 GACGCTGTGCTTCCGCTCCATCTCAGCATCACACCGTGTGAGCGGTACGTGGC 431
Db 334 GAGTGCACCTACGCCACAGTGTCTCACCATCACCGGCTGAGCGGTACTTTCGC 393
QY 432 CATCTACACCGCTTCCGCGCAAACTGCAGAGCACCGCGCGCGCGCGCTCAGGATCCT 491
Db 394 CATCTGCTTCCGCTGCGCGCAAGGTAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 453
QY 492 CGGCATGCTGTGGGCTTCTCCGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 551
Db 454 CTTGTGTATCTGGGCGGTGGCTTCTTGTGAGCGCGCGCGCGCACTTCTGTGTGTGTGT 513
QY 552 CAAGTTCACACTTCTTCCCAATGGGTCCCTGCTTCTTCTTCTTCTTCTTCTTCTTCT 611
Db 514 GGAGCATGATAACGCACTGACCTTCGCGACACCAACGAGTGGCGCGCCAGGATTCGC 573
QY 612 CAAGCCCATGTGATCTACAAATTCATCATCAGGTACCTCCTTCTATTTACCTCCT 671
Db 574 CGTGGCTCCGCGGTGCTTACCGTGTATGCTGTGGTGTGCGGTGTCTTCTCTCTCTCT 630
QY 672 CCCCATGACTGTACAGTGTCTTACTACTACTACTACTACTACTACTACTACTACTACT 709
Db 631 GCCTGTCTTGTGCTTCACTGTGCTCTATAGCCTCATCG 668

RESULT 15
US-09-077-675A-4
; Sequence 4, Application US/09077675A
; Patent No. 6242199
; GENERAL INFORMATION:
; APPLICANT: Pai, Lee-Yuh
; APPLICANT: Feighner, Scott C.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Pong, Sheng-Shung
; APPLICANT: Van Der Ploeg, Leonardus H.T.
; TITLE OF INVENTION: RECEPTOR ASSAY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,675A

Search completed: February 13, 2004, 18:30:52
Job time : 84 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 13, 2004, 17:54:23 ; Search time 332 Seconds

(without alignments)
8088.459 Million cell updates/sec

Title: US-09-684-725-1

Perfect score: 729

Sequence: 1 atggaaacttcagaatgc.....cactcagagtgcagatctag 729

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:

- 1: /cgn2_6/ptodata/1/pubnpa/US07_PUBCOMB.seq*
- 2: /cgn2_6/ptodata/1/pubnpa/PCT_NEW_PUB.seq*
- 3: /cgn2_6/ptodata/1/pubnpa/US06_NEW_PUB.seq*
- 4: /cgn2_6/ptodata/1/pubnpa/US06_PUBCOMB.seq*
- 5: /cgn2_6/ptodata/1/pubnpa/US07_NEW_PUB.seq*
- 6: /cgn2_6/ptodata/1/pubnpa/PCTUS_PUBCOMB.seq*
- 7: /cgn2_6/ptodata/1/pubnpa/US08_NEW_PUB.seq*
- 8: /cgn2_6/ptodata/1/pubnpa/US08_PUBCOMB.seq*
- 9: /cgn2_6/ptodata/1/pubnpa/US09A_PUBCOMB.seq*
- 10: /cgn2_6/ptodata/1/pubnpa/US09B_PUBCOMB.seq*
- 11: /cgn2_6/ptodata/1/pubnpa/US09C_PUBCOMB.seq*
- 12: /cgn2_6/ptodata/1/pubnpa/US09_NEW_PUB.seq*
- 13: /cgn2_6/ptodata/1/pubnpa/US09_NEW_PUB.seq2*
- 14: /cgn2_6/ptodata/1/pubnpa/US10A_PUBCOMB.seq*
- 15: /cgn2_6/ptodata/1/pubnpa/US10B_PUBCOMB.seq*
- 16: /cgn2_6/ptodata/1/pubnpa/US10_NEW_PUB.seq*
- 17: /cgn2_6/ptodata/1/pubnpa/US60_NEW_PUB.seq*
- 18: /cgn2_6/ptodata/1/pubnpa/US60_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| C 1 | 729 | 100.0 | 801 | 11 | US-09-782-974C-17 |
| 2 | 717.8 | 98.5 | 1239 | 15 | Sequence 17, Appl |
| 3 | 717.8 | 98.5 | 1248 | 12 | Sequence 556, App |
| 4 | 717.8 | 98.5 | 1248 | 13 | Sequence 11, Appl |
| 5 | 717.8 | 98.5 | 1248 | 13 | Sequence 11, Appl |
| 6 | 282.4 | 38.7 | 1349 | 12 | US-10-240-145-96 |
| 7 | 282.4 | 38.7 | 1335 | 12 | Sequence 10, Appl |
| 8 | 282.4 | 38.7 | 1335 | 15 | Sequence 12, Appl |
| 9 | 282.4 | 38.7 | 1335 | 15 | Sequence 12, Appl |
| 10 | 280.8 | 38.5 | 1212 | 13 | US-10-146-123-12 |
| 11 | 280.8 | 38.5 | 1212 | 15 | US-10-383-690-9 |
| 12 | 280.8 | 38.5 | 1212 | 15 | US-10-083-168-13 |
| 13 | 280.8 | 38.5 | 1212 | 15 | US-10-083-168-82 |
| 14 | 280.8 | 38.5 | 1212 | 15 | US-10-251-385-113 |
| 15 | 280.8 | 38.5 | 1212 | 15 | US-10-251-385-223 |
| 15 | 280.8 | 38.5 | 1212 | 15 | US-10-225-567A-539 |

| | | | | | |
|----|-------|------|------|----|--------------------|
| 16 | 280.8 | 38.5 | 1212 | 15 | US-10-230-078-16 |
| 17 | 280.8 | 38.5 | 1212 | 15 | US-10-230-078-17 |
| 18 | 134.8 | 18.5 | 1239 | 13 | US-10-206-677-1 |
| 19 | 134.8 | 18.5 | 1239 | 15 | US-10-225-567A-472 |
| 20 | 134.8 | 18.5 | 1239 | 15 | US-10-290-078-13 |
| 21 | 134.8 | 18.5 | 1239 | 15 | US-10-290-078-14 |
| 22 | 134.8 | 18.5 | 2040 | 12 | US-10-417-820A-129 |
| 23 | 131.6 | 18.1 | 2040 | 12 | US-10-417-820A-151 |
| 24 | 127 | 17.4 | 4080 | 12 | US-09-826-509-534 |
| 25 | 127 | 17.4 | 4080 | 12 | US-10-305-720-1346 |
| 26 | 127 | 17.4 | 4131 | 13 | US-10-101-510-417 |
| 27 | 127 | 17.4 | 4131 | 13 | US-10-101-510-752 |
| 28 | 127 | 17.4 | 4131 | 13 | US-10-225-567A-206 |
| 29 | 127 | 17.4 | 4144 | 13 | US-10-115-831-149 |
| 30 | 120.4 | 16.5 | 870 | 15 | US-10-225-567A-139 |
| 31 | 120.4 | 16.5 | 1088 | 13 | US-10-303-204A-6 |
| 32 | 120.4 | 16.5 | 1101 | 12 | US-10-305-720-1148 |
| 33 | 120.4 | 16.5 | 1101 | 13 | US-10-276-392-22 |
| 34 | 120.4 | 16.5 | 1101 | 15 | US-10-251-385-87 |
| 35 | 120.4 | 16.5 | 1101 | 15 | US-10-251-385-209 |
| 36 | 120.4 | 16.5 | 1122 | 13 | US-10-303-204A-9 |
| 37 | 119.8 | 16.4 | 1258 | 9 | US-09-804-551B-25 |
| 38 | 119.8 | 16.4 | 1287 | 15 | US-10-270-333-113 |
| 39 | 119.8 | 16.4 | 4314 | 15 | US-10-270-333-112 |
| 40 | 114 | 15.6 | 1063 | 13 | US-10-303-204A-1 |
| 41 | 112.4 | 15.4 | 1029 | 13 | US-10-303-204A-4 |
| 42 | 112.4 | 15.4 | 1367 | 15 | US-10-241-313-3 |
| 43 | 112.4 | 15.4 | 1370 | 15 | US-10-224-260-17 |
| 44 | 112.4 | 15.4 | 1466 | 15 | US-10-224-260-19 |
| 45 | 112.4 | 15.4 | 1504 | 12 | US-10-305-720-1276 |

ALIGNMENTS

RESULT 1

US-09-782-974C-17/c
; Sequence 17, Application US/09782974C
; Publication No. US20030082534A1
; GENERAL INFORMATION:
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Lind, Peter
; APPLICANT: Wood, Linda S.
; APPLICANT: Parodi, Luis A.
; TITLE OF INVENTION: No. US20030082534A1 G Protein Coupled Receptor
; FILE REFERENCE: 411USPHM311
; CURRENT APPLICATION NUMBER: US/09/782,974C
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/165,838
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 09/714,449
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 60/198,568
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: 60/166,071
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/166,678
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: 60/173,396
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/184,129
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/185,421
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/185,554
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/186,530
; PRIOR FILING DATE: 2000-03-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 801

The sequence is not present in the prior doc.

TYPE: DNA
ORGANISM: Homo sapiens
US-09-782-974C-17

Query Match 100.0%; Score 729; DB 11; Length 801;
Best Local Similarity 100.0%; Pred. No. 3.2e-198;
Matches 729; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGAATACTTCAGATGCTTCTGGATCTACAGAGAACTAGAGATCCATTCCAG 60
DB ATGGAATACTTCAGATGCTTCTGGATCTACAGAGAACTAGAGATCCATTCCAG 736
QY 61 AAACACCTGAACAGCAGGAGGATCTCGCTTCTCTGCGGACTCGGCGAGCCAC 120
DB AAACACCTGAACAGCAGGAGGATCTCGCTTCTCTGCGGACTCGGCGAGCCAC 676
QY 121 TTCTTCTCCCGGTCTGTGGTGTATGTGCCAATTTTGTGGGGGTCAATGGCAAT 180
DB TTCTTCTCCCGGTCTGTGGTGTATGTGCCAATTTTGTGGGGGTCAATGGCAAT 616
QY 181 GTCTGTGTGCTGTGGTGTATGTGCAGCAGAGCTATGAAGACGCCCAACTACTAC 240
DB GTCTGTGTGCTGTGGTGTATGTGCAGCAGAGCTATGAAGACGCCCAACTACTAC 556
QY 241 CTCTTACGCTGGCGGTCTGTGACCTCTGCTGCTGCTTGGAAATGCCCTGGAGGTC 300
DB CTCTTACGCTGGCGGTCTGTGACCTCTGCTGCTGCTTGGAAATGCCCTGGAGGTC 496
QY 301 TATGAGATGTGGCGCAACTACCTTTCTTGTTCGGGCCCGTGGGCTGTACTTCAAGACG 360
DB TATGAGATGTGGCGCAACTACCTTTCTTGTTCGGGCCCGTGGGCTGTACTTCAAGACG 436
QY 361 GCCCTCTTTGAGACCGGTGTGCTTCCGCTCCATCTCAGCATCACCACCGTCAGCGTGGAG 420
DB GCCCTCTTTGAGACCGGTGTGCTTCCGCTCCATCTCAGCATCACCACCGTCAGCGTGGAG 376
QY 421 CGCTACGTGGGCATCTACACCCGTTTCGGCGCCAACTGAGAGACCCGGCGCGGGCC 480
DB CGCTACGTGGGCATCTACACCCGTTTCGGCGCCAACTGAGAGACCCGGCGCGGGCC 316
QY 481 CTCAGGATCTCGGATGCTGTGGGCTTCTCGGTGCTTCTTCCGTCGCCCAACACACGAGC 540
DB CTCAGGATCTCGGATGCTGTGGGCTTCTCGGTGCTTCTTCCGTCGCCCAACACACGAGC 256
QY 541 ATCCATGGCATCAAGTTCACACTTCCCAATGGGTCCCTGGTCCAGGTTCGGGCCACC 600
DB ATCCATGGCATCAAGTTCACACTTCCCAATGGGTCCCTGGTCCAGGTTCGGGCCACC 196
QY 601 TGTACGGTCAACAGCCCATGTGGATCTACAAATTCATTCAGGTCACTCTCTTCCCTA 660
DB TGTACGGTCAACAGCCCATGTGGATCTACAAATTCATTCAGGTCACTCTCTTCCCTA 136
QY 661 TTCTACCTCTCCCATGACTGTATCAGTGTCTCTTACTACCTCATGGCACTCAGAGTG 720
DB TTCTACCTCTCCCATGACTGTATCAGTGTCTCTTACTACCTCATGGCACTCAGAGTG 76

QY 721 AGTATCTAG 729
DB AGTATCTAG 67

RESULT 2
US-10-225-567A-556
; Sequence 556, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A

CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
SEQ ID NO 556
LENGTH: 1239
TYPE: DNA
ORGANISM: Homo sapiens
US-10-225-567A-556

Query Match 98.5%; Score 717.8; DB 15; Length 1239;
Best Local Similarity 99.7%; Pred. No. 5.8e-195;
Matches 719; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGGAATACTTCAGATGCTTCTGGATCTACAGAGAACTAGAGATCCATTCCAG 60
DB ATGGAATACTTCAGATGCTTCTGGATCTACAGAGAACTAGAGATCCATTCCAG 60
QY 61 AAACACCTGAACAGCAGGAGGATCTCGCTTCTCTGCGGACTCGGCGAGCCAC 120
DB AAACACCTGAACAGCAGGAGGATCTCGCTTCTCTGCGGACTCGGCGAGCCAC 120
QY 121 TTCTTCTCCCGGTCTGTGGTGTATGTGCCAATTTTGTGGGGGTCAATGGCAAT 180
DB TTCTTCTCCCGGTCTGTGGTGTATGTGCCAATTTTGTGGGGGTCAATGGCAAT 180
QY 181 GTCTGTGTGCTGTGGTGTATGTGCAGCAGAGCTATGAAGACGCCCAACTACTAC 240
DB GTCTGTGTGCTGTGGTGTATGTGCAGCAGAGCTATGAAGACGCCCAACTACTAC 240
QY 241 CTCTTACGCTGGCGGTCTGTGACCTCTGCTGCTGCTTGGAAATGCCCTGGAGGTC 300
DB CTCTTACGCTGGCGGTCTGTGACCTCTGCTGCTGCTTGGAAATGCCCTGGAGGTC 300
QY 301 TATGAGATGTGGCGCAACTACCTTTCTTGTTCGGGCCCGTGGGCTGTACTTCAAGACG 360
DB TATGAGATGTGGCGCAACTACCTTTCTTGTTCGGGCCCGTGGGCTGTACTTCAAGACG 360
QY 361 GCCCTCTTTGAGACCGGTGTGCTTCCGCTCCATCTCAGCATCACCACCGTCAGCGTGGAG 420
DB GCCCTCTTTGAGACCGGTGTGCTTCCGCTCCATCTCAGCATCACCACCGTCAGCGTGGAG 420
QY 421 CGCTACGTGGGCATCTACACCCGTTTCGGCGCCAACTGAGAGACCCGGCGCGGGCC 480
DB CGCTACGTGGGCATCTACACCCGTTTCGGCGCCAACTGAGAGACCCGGCGCGGGCC 480
QY 481 CTCAGGATCTCGGATGCTGTGGGCTTCTCGGTGCTTCTTCCGTCGCCCAACACACGAGC 540
DB CTCAGGATCTCGGATGCTGTGGGCTTCTCGGTGCTTCTTCCGTCGCCCAACACACGAGC 540
QY 541 ATCCATGGCATCAAGTTCACACTTCCCAATGGGTCCCTGGTCCAGGTTCGGGCCACC 600
DB ATCCATGGCATCAAGTTCACACTTCCCAATGGGTCCCTGGTCCAGGTTCGGGCCACC 600
QY 601 TGTACGGTCAACAGCCCATGTGGATCTACAAATTCATTCAGGTCACTCTCTTCCCTA 660
DB TGTACGGTCAACAGCCCATGTGGATCTACAAATTCATTCAGGTCACTCTCTTCCCTA 660
QY 661 TTCTACCTCTCCCATGACTGTATCAGTGTCTCTTACTACCTCATGGCACTCAGAGTG 720
DB TTCTACCTCTCCCATGACTGTATCAGTGTCTCTTACTACCTCATGGCACTCAGAGTG 720

QY 721 A 721
DB 721 A 721

RESULT 3
US-10-417-820A-11
; Sequence 11, Application US/10417820A
; Publication No. US20030229216A1
; GENERAL INFORMATION:

```

/ APPLICANT: Chen, Ruoping
/ APPLICANT: Liaw, Chen W.
/ APPLICANT: Lowitz, Kevin
/ APPLICANT: Chalmers, Derek T.
/ APPLICANT: Behan, Dominic P.
/ TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
/ TITLE OF INVENTION: Receptors
/ FILE REFERENCE: 7.US28.CON
/ CURRENT APPLICATION NUMBER: US/10/417,820A
/ CURRENT FILING DATE: 2003-04-16
/ PRIOR APPLICATION NUMBER: 09/416,760
/ PRIOR FILING DATE: 1999-10-12
/ PRIOR APPLICATION NUMBER: 09/170,496
/ PRIOR FILING DATE: 1998-10-13
/ PRIOR APPLICATION NUMBER: 60/110,060
/ PRIOR FILING DATE: 1998-11-27
/ PRIOR APPLICATION NUMBER: 60/120,416
/ PRIOR FILING DATE: 1999-02-16
/ PRIOR APPLICATION NUMBER: 60/121,852
/ PRIOR FILING DATE: 1999-02-26
/ PRIOR APPLICATION NUMBER: 60/109,213
/ PRIOR FILING DATE: 1998-11-20
/ PRIOR APPLICATION NUMBER: 60/123,944
/ PRIOR FILING DATE: 1999-03-12
/ PRIOR APPLICATION NUMBER: 60/123,945
/ PRIOR FILING DATE: 1999-03-12
/ PRIOR APPLICATION NUMBER: 60/123,948
/ PRIOR FILING DATE: 1999-03-12
/ PRIOR APPLICATION NUMBER: 60/123,951
/ PRIOR FILING DATE: 1999-03-12
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 155
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 11
/ LENGTH: 1248
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-10-417-820A-11

Query Match          98.5%; Score 717.8; DB 12; Length 1248;
Best Local Similarity 99.7%; Pred. No. 5.9e-195;
Matches 719; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1  ATGGAAAACATTCAAGATGCTTCTCGGATCTACGACGAGAACTAGAAGATCCATTCCAG 60
Db      10  ATGGAAAACATTCAAGATGCTTCTCGGATCTACGACGAGAACTAGAAGATCCATTCCAG 69

QY      61  AAACACCTGAACAGCAGCAGGAGTATCTGGCTTCTCTGGGACCTCGGCGCAGCCAC 120
Db      70  AAACACCTGAACAGCAGCAGGAGTATCTGGCTTCTCTGGGACCTCGGCGCAGCCAC 129

QY      121  TTCTTCCTCCCGTGTCTGTGTGTATGTCCCAATTTTGTGGTGGGGTCAATTGGCAAT 180
Db      130  TTCTTCCTCCCGTGTCTGTGTGTATGTCCCAATTTTGTGGTGGGGTCAATTGGCAAT 189

QY      181  GTCTCGGTGTGCCTGGTGATTTCTCGACGACACGAGCTATGAAGACGCCACCAACTACTAC 240
Db      190  GTCTCGGTGTGCCTGGTGATTTCTCGACGACACGAGCTATGAAGACGCCACCAACTACTAC 249

QY      241  CTCTTCAGCCTGGCGGTCTTGACCTCTGGTCTGTCTCTTGGAAATGCCCTTGGAGTTC 300
Db      250  CTCTTCAGCCTGGCGGTCTTGACCTCTGGTCTGTCTCTTGGAAATGCCCTTGGAGTTC 309

QY      301  TATGAGATGTGGCGAACTACCCCTTCTGTGTGGGCCGTGGGGTGTCTACTTCAAGACG 360
Db      310  TATGAGATGTGGCGAACTACCCCTTCTGTGTGGGCCGTGGGGTGTCTACTTCAAGACG 369

QY      361  GCCTCTTTGAGACCGTGTGTCTGCCCTCCATCCTCAGCATCACCAACCGTCAGCGTGGAG 420
Db      370  GCCTCTTTGAGACCGTGTGTCTGCCCTCCATCCTCAGCATCACCAACCGTCAGCGTGGAG 429

QY      421  CGCTACGTGGCCATCCTTACAACCGTTCGCGCCCAAACTGCAGAGCACCGCGCGCCGGGCC 480

```

430 CGCTACGTCGGCCATCTCTACACCCGTCGCGCGCAAACTGCAGAGCACACCGCGCGCGCGGC 489

481 CTCAGAGTCCTCGGCATCGTCGTGGGGTCTTCGTCGTCTTCTCCCTGCCCAACACGAC 540

490 CTCAGATCTCGGCATCGTCGTGGGGTCTTCGTCGTCTTCTCCCTGCCCAACACGAC 549

541 ATCCATGGCATCAGTTCCACTACTTCCCCAATGGGTCCTGGTCCAGGTTCCGSCACC 600

550 ATCCATGGCATCAGTTCCACTACTTCCCCAATGGGTCCTGGTCCAGGTTCCGSCACC 609

601 TGTACGGTCATCAAGCCCATCGTGATCTACAAATTCATCATCAGGTCACTCTTCCTTA 660

610 TGTACGGTCATCAAGCCCATCGTGATCTACAAATTCATCATCAGGTCACTCTTCCTTA 669

661 TTCTACCTCTCCCATGACTGTGCATCAGTGTCTCTACTACTCATGGCACTCAGAGTG 720

670 TTCACCTCTCCCATGACTGTGCATCAGTGTCTCTACTACTCATGGCACTCAGACTA 729

721 A 721

730 A 730

RESULT 4

US-10-272-983-11

; Sequence 11, Application US/10272983

; Publication No. US20030148450A1

; GENERAL INFORMATION:

; APPLICANT: Chen, Ruoping

; APPLICANT: Dang, Huong T.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lin, I-Lin

; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors

; FILE REFERENCE: AREN0050

; CURRENT APPLICATION NUMBER: US/10/272,983

; CURRENT FILING DATE: 2002-10-17

; PRIOR APPLICATION NUMBER: US/09/417,044

; PRIOR FILING DATE: 1999-10-12

; PRIOR APPLICATION NUMBER: 60/109,213

; PRIOR FILING DATE: 1998-11-20

; PRIOR APPLICATION NUMBER: 60/120,416

; PRIOR FILING DATE: 1999-02-16

; PRIOR APPLICATION NUMBER: 60/121,851

; PRIOR FILING DATE: 1999-02-26

; PRIOR APPLICATION NUMBER: 60/123,946

; PRIOR FILING DATE: 1999-03-12

; PRIOR APPLICATION NUMBER: 60/123,949

; PRIOR FILING DATE: 1999-03-12

; PRIOR APPLICATION NUMBER: 60/136,436

; PRIOR FILING DATE: 1999-05-28

; PRIOR APPLICATION NUMBER: 60/136,437

; PRIOR FILING DATE: 1999-05-28

; PRIOR APPLICATION NUMBER: 60/136,439

; PRIOR FILING DATE: 1999-05-28

; PRIOR APPLICATION NUMBER: 60/136,567

; PRIOR FILING DATE: 1999-05-28

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 74

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 11

; LENGTH: 1248

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-272-983-11

Query Match 98.5%; Score 717.8; DB 13; Length 1248;
Best Local Similarity 99.7%; Pred. No. 5.9e-195;
Matches 719; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 ATGGAAGAACTTCAGATGCTTCCTGGATCTCCAGCAGAAAATAGAAGATCCATTCCAG 60
10 ATGGAAGAACTTCAGATGCTTCCTGGATCTCCAGCAGAAAATAGAAGATCCATTCCAG 69

61 AACACCTGAACACGACCGAGGAGTATCTGGCCCTTCTCTGGGACCTCGGGCGAGCCAC 120
70 AACACCTGAACACGACCGAGGAGTATCTGGCCCTTCTCTGGGACCTCGGGCGAGCCAC 129
121 TTCTTCTCCCGGTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 180
130 TTCTTCTCCCGGTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 189
181 GTCTGTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 240
190 GTCTGTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 249
241 CTCTTCAAGCTGGGGTCTCTGACCTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 300
250 CTCTTCAAGCTGGGGTCTCTGACCTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 309
301 TATGAGATGTGGGGTCAATGGCAATTTTGTGTGGGGTCAATGGCAAT 360
310 TATGAGATGTGGGGTCAATGGCAATTTTGTGTGGGGTCAATGGCAAT 369
361 GCCTCTTTGAGACCGGTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 420
370 GCCTCTTTGAGACCGGTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 429
421 CGCTACGTGGGCAATCTTACACCGGTTCGCGGCCAACTGACAGACACCGGGCGCGGGCC 480
430 CGCTACGTGGGCAATCTTACACCGGTTCGCGGCCAACTGACAGACACCGGGCGCGGGCC 489
481 CTCAGATCTCGGGTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 540
490 CTCAGATCTCGGGTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 549
541 ATCCATGGATCAAGTTCAGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 600
550 ATCCATGGATCAAGTTCAGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 609
601 TGACGGTCAATCAAGCCCATGTGGATCTACAAATTTTCATCATCCAGGTCACTCCCTTCTTA 660
610 TGACGGTCAATCAAGCCCATGTGGATCTACAAATTTTCATCATCCAGGTCACTCCCTTCTTA 669
661 TTCTACCTCTCTCCCATGTGGATCTACAAATTTTCATCATCCAGGTCACTCCCTTCTTA 720
670 TTCTACCTCTCTCCCATGTGGATCTACAAATTTTCATCATCCAGGTCACTCCCTTCTTA 729
721 A 721
730 A 730

RESULT 5
US-10-393-807-11
; Sequence 11, Application US/10393807
; Publication No. US20030175891A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
; FILE REFERENCE: AREN0050
; CURRENT APPLICATION NUMBER: US/10/393,807
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: US/09/417,044
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,851
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949

; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 1248
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-393-807-11

Query Match 98.5%; Score 717.8; DB 13; Length 1248;
Best Local Similarity 99.7%; Pred. No. 5.9e-195;
Matches 719; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATGMAAACTTCAGAAATGCTTCTGGATCTACAGCAGAACTAGAGATCCATTTCAG 60
Db 10 ATGMAAACTTCAGAAATGCTTCTGGATCTACAGCAGAACTAGAGATCCATTTCAG 69
QY 61 AAACACCTGAACACGACCGAGGAGTATCTGGCCCTTCTCTGGGACCTCGGGCGAGCCAC 120
Db 70 AAACACCTGAACACGACCGAGGAGTATCTGGCCCTTCTCTGGGACCTCGGGCGAGCCAC 129
QY 121 TTCTTCTCTCCCGGTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 180
Db 130 TTCTTCTCTCCCGGTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 189
QY 181 GTCTGTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 240
Db 190 GTCTGTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 249
QY 241 CTCTTCAAGCTGGGGTCTCTGACCTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 300
Db 250 CTCTTCAAGCTGGGGTCTCTGACCTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 309
QY 301 TATGAGATGTGGGGTCAATGGCAATTTTGTGTGGGGTCAATGGCAAT 360
Db 310 TATGAGATGTGGGGTCAATGGCAATTTTGTGTGGGGTCAATGGCAAT 369
QY 361 GCCTCTTTGAGACCGGTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 420
Db 370 GCCTCTTTGAGACCGGTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 429
QY 421 CGCTACGTGGGCAATCTTACACCGGTTCGCGGCCAACTGACAGACACCGGGCGCGGGCC 480
Db 430 CGCTACGTGGGCAATCTTACACCGGTTCGCGGCCAACTGACAGACACCGGGCGCGGGCC 489
QY 481 CTCAGATCTCGGGTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 540
Db 490 CTCAGATCTCGGGTCTGTGGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 549
QY 541 ATCCATGGATCAAGTTCAGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 600
Db 550 ATCCATGGATCAAGTTCAGTGTATGTCGCAATTTTGTGTGGGGTCAATGGCAAT 609
QY 601 TGACGGTCAATCAAGCCCATGTGGATCTACAAATTTTCATCATCCAGGTCACTCCCTTCTTA 660
Db 610 TGACGGTCAATCAAGCCCATGTGGATCTACAAATTTTCATCATCCAGGTCACTCCCTTCTTA 669
QY 661 TTCTACCTCTCTCCCATGTGGATCTACAAATTTTCATCATCCAGGTCACTCCCTTCTTA 720
Db 670 TTCTACCTCTCTCCCATGTGGATCTACAAATTTTCATCATCCAGGTCACTCCCTTCTTA 729
721 A 721
730 A 730

Db 754 CAGACACCGCGCTGCTCTTCTTCTGCTGCCATGAGCGGTCTACCTG 813
QY 703 CTCATGGCACTCAGAGTGAG 722
Db 814 CTCATTGGGCTGCGACTGCG 833

RESULT 7
US-10-240-145-10
; Sequence 10, Application US/10240145
; Publication No. US20030235883A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: US/10/240,145
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 10
; LENGTH: 1535
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1335)
US-10-240-145-10

Query Match 38.7%; Score 282.4; DB 12; Length 1535;
Best Local Similarity 66.0%; Pred. No. 1.9e-70;
Matches 409; Conservative 0; Mismatches 211; Indels 0; Gaps 0;
QY 103 GGACCTCGCGCAGCCACTTCTTCTCCCGGTCTGTGGTGTATGTGCCAATTTTGTG 162
Db 214 GGGCCCCAGCAGACAGAGCTGTTATGCCCATCTGTGCCACATACCTGCTGATCTCGTG 273
QY 163 GTGGGGGTCAATTGGCAATGTCTCTGGTGGCTGTGATTCTGCAGCACAGGCTATGAAG 222
Db 274 GTGGGGCTGTGGGCAATGGGCTGACCTGTCTGGTTCATCTCGCCACAGGCCATGCGC 333
QY 223 ACGCCCAACCACTACTACTCTTTCAGCCTGGCGGTCTGTGACCTCCTGGTCTGCTCTT 282
Db 334 ACGCTTACCACTACTACTCTTTCAGCCTGGCGGTCTGGACCTGCTGTGCTGTGCTG 393
QY 283 GGAATGCCCTCGAGGTCTATGAGATGTGGCGCACTACCTTTCTTGTGGGCCCCGTG 342
Db 394 GGCCTGCCCTCGAGCTCTATGAGATGTGGCACTACCTACCTCTCTGCTGGGCGTTGT 453
QY 343 GGTGTCTACTTCAAGACGSCCTCTTTGAGACCGTGTGCTTCCCTCCATCTCAGCATC 402
Db 454 GGTGTCTATTTCGACAGCTACTGTTTGTGATGTGCTGCTGGCTCTAGTGTCAACGTC 513
QY 403 ACCACCGTTCAGGCTGGAGCGCTACGTGGCCATCTTACACCCCTTCCGGGCCAACTGCAG 462
Db 514 ACTGCCCTGAGCGTGAACGCTATGTGGCCGTGGTGCACCCACTCCAGSCCAGGTCCATG 573
QY 463 AGCACCGCGCGCGGCGCTCTAGAGATCTCGGATCTCGGAGTCTCGGGGCTTCTCCGCTCTC 522
Db 574 GTGACGCGGCGCCATGTGGCGGAGTGTGTGGGGCGCTGTGGGGTCTTGCCTATGCTCTGC 633

Db 754 CAGACACCGCGCTGCTCTTCTTCTGCTGCCATGAGCGGTCTACCTG 813
QY 703 CTCATGGCACTCAGAGTGAG 722
Db 814 CTCATTGGGCTGCGACTGCG 833

RESULT 6
US-10-240-145-96
; Sequence 96, Application US/10240145
; Publication No. US20030235883A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: US/10/240,145
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 96
; LENGTH: 1349
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-240-145-96

Query Match 38.7%; Score 282.4; DB 12; Length 1349;
Best Local Similarity 66.0%; Pred. No. 1.9e-70;
Matches 409; Conservative 0; Mismatches 211; Indels 0; Gaps 0;
QY 103 GGACCTCGCGCAGCCACTTCTTCTCCCGGTCTGTGGTGTATGTGCCAATTTTGTG 162
Db 214 GGGCCCCAGCAGACAGAGCTGTTATGCCCATCTGTGCCACATACCTGCTGATCTTCGTG 273
QY 163 GTGGGGGTCAATTGGCAATGTCTCTGGTGGCTGTGATTCTGCAGCACAGGCTATGAAG 222
Db 274 GTGGGGCTGTGGGCAATGGGCTGACCTGTCTGGTTCATCTGGCCACAGGCCATGCGC 333
QY 223 ACGCCCAACCACTACTACTCTTTCAGCCTGGCGGTCTGTGACCTCCTGGTCTGCTCTT 282
Db 334 ACGCTTACCACTACTACTCTTTCAGCCTGGCGGTCTGGACCTGCTGTGCTGTGCTG 393
QY 283 GGAATGCCCTCGAGGTCTATGAGATGTGGCGCACTACCTTTCTTGTGGGCCCCGTG 342
Db 394 GGCCTGCCCTCGAGCTCTATGAGATGTGGCACTACCTCTTCTGCTGGGCGTTGT 453
QY 343 GGTGTCTACTTCAAGACGSCCTCTTTGAGACCGTGTGCTTCCCTCCATCTCAGCATC 402
Db 454 GGTGTCTATTTCGACAGCTACTGTTTGTGATGTGCTGCTGGCTCAGTGTCAACGTC 513
QY 403 ACCACCGTTCAGGCTGGAGCGCTACGTGGCCATCTTACACCGCTTCCGGGCCAACTGCAG 462
Db 514 ACTGCCCTGAGCGTGAACGCTATGTGGCCGTGGTGCACCCACTCCAGSCCAGGTCCATG 573
QY 463 AGCACCGCGCGCGGCGCTCTAGAGATCTCGGATCTCGGAGTCTCGGGGCTTCTCCGCTCTC 522
Db 574 GTGACGCGGCGCCATGTGGCGGAGTGTGTGGGGCGGTCTGGGGTCTTGCCTATGCTCTGC 633
QY 523 TCCCTGCCCAACACAGCATCATGGCATCAAGTTCCACTACTTCCCAATGGGTCCCTG 582
Db 634 TCCCTGCCCAACACAGCATCTGACAGGCTATCGGAGCTGACGTGCTGCGGGGCCA 693
QY 583 GTCCAGGTTCGGCCCACTGTACGTGTATCAAGGCCATGTGGAATCAATTTTCATC 642
Db 694 GTGCCAGACTCAGCTGTTTGTGATGTGTGCGCGCACGGGCCCTCTCAACATGGTAGT 753
QY 643 CAGGTACCTCTCTTCTTCTTCTACCTCTCCCATGATGTCATCAGTGTCTTACTACT 702

```
QY 523 TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCACCTACTTCCCAATGGTCCCTG 582
Db 634 TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCACCTACTTCCCAATGGTCCCTG 593
QY 583 GTCCAGGTTGGGCCAAGTTCATCGGTATCATAGGCCAATGGATCTACAAATTTTCATATC 642
Db 694 GTGCCAGACTCAGCTGTTTGCATGCTGCTCCCGCCAGCGGCCCTCTACACATGGTAGTG 753
QY 643 CAGGTACCTCTTCTTATTTACTCTCTCCCATGACTGTATCATAGTGTCTTACTATC 702
Db 754 CAGACCAACCGGCTGCTCTTCTTCTGCTGCTGCCATGGCCATCATGAGCGTGTCTACTCTG 813
QY 703 CTCATGGCACTCAGAGTGAG 722
Db 814 CTCATGGGCTGCGACTGCG 833

RESULT 8
US-10-146-419-12
; Sequence 12, Application US/10146419
; Publication No. US20030087370A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Zhang, Jie
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. US20030087370A1el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 790CIP2ADIV1
; CURRENT APPLICATION NUMBER: US/10/146,419
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 12
; LENGTH: 1535
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1338)
US-10-146-419-12

Query Match 38.7%; Score 282.4; DB 15; Length 1535;
Best Local Similarity 66.0%; Pred. No. 1.9e-70;
Matches 409; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 103 GGACCTCGGCGCAGCCACTTCTTCTCCCGTGTCTGTGGTGTATGTGCCAATTTTGTG 162
Db 214 GGGCCCCAGACAGAGCTGTTTATGCCCATCTGTGCCACATACCTGTGATCTTGTG 273
QY 163 GTGGGGGTCAATGGCAATGCTCTGTGGTGTCTGTGGTGTATGTGCCAATTTTGTG 222
Db 274 GTGGCGCTGTGGCAATGGCTGACCTGTCTGTGGTGTATGTGCCACATACCTGTGATCTTGTG 333
QY 223 AGCCCAACAACTACTACTCTTTCAGCTGGGGTCTCTGACCTCTGCTGTCTGCTCTT 282
Db 334 AGCCCTACCACTACTACTCTTTCAGCTGGGGTCTCTGACCTCTGCTGTCTGCTGTG 393
QY 283 GGAATGCCCTGGAGTCTATGAGATGGCGCACTACCTTCTTCTGTCTGGGCGGTG 342
Db 394 GGCCTGCCCTGGAGTCTATGAGATGGCGCACTACCTTCTTCTGTCTGGGCGGTG 453
QY 343 GGTCTGTACTTCAAGACGCGCTCTTTGAGACCGTGTGCTTGGCTTCCATCTCTCAGCATC 402
Db 454 GGTCTGTACTTTCGACGCTACTTGTGAGATGGTCTGCTGGCTCAGTGTCTCAGCTC 513
QY 403 ACCACGTCAGCGTGGAGCGCTACGTTGGCCATCTTACACCCGTTCCGCGCAAACTGAG 462
```

```
Db 514 ACTGCCCTAGCGTGGAAACGCTATGTGGCGGTGTGACCCACTTCCAGGCCAGGTCCATG 573
QY 463 AGCACCGGCGCGCGGCTTCCAGGATCTCGGCATCTGTCTGGGGCTTCTCCGTCTCTTC 522
Db 574 GTAGCGGGGCCCATGTGCGCCGAGTGTCTGGGCCGTCTGGGGTCTTGGCATGCTGTGC 633
QY 523 TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCACCTACTTCCCAATGGTCCCTG 582
Db 634 TCCCTGCCCAACACAGCATCCATGGCATCCGCGAGTGTGACGTCGCTGCGGGGCCA 693
QY 583 GTCCAGGTTGGGCCAAGTTCATCGGTATCATAGGCCAATGGATCTACAAATTTTCATATC 642
Db 694 GTGCCAGACTCAGCTGTTTGCATGCTGCTCCCGCCAGCGGCCCTCTACAACTGTAGTG 753
QY 643 CAGGTACCTCTTCTTATTTACTCTCTCCCATGACTGTATCATAGTGTCTTACTATC 702
Db 754 CAGACCAACCGGCTGCTCTTCTTCTGCTGCTGCCATGGCCATCATGAGCGTGTCTTACTCTG 813
QY 703 CTCATGGCACTCAGAGTGAG 722
Db 814 CTCATGGGCTGCGACTGCG 833

RESULT 9
US-10-146-123-12
; Sequence 12, Application US/10146123
; Publication No. US20030092112A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Zhang, Jie
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. US20030092112A1el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 790CIP2ADIV2
; CURRENT APPLICATION NUMBER: US/10/146,123
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 12
; LENGTH: 1535
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1338)
US-10-146-123-12

Query Match 38.7%; Score 282.4; DB 15; Length 1535;
Best Local Similarity 66.0%; Pred. No. 1.9e-70;
Matches 409; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 103 GGACCTCGGCGCAGCCACTTCTTCTCCCGTGTCTGTGGTGTATGTGCCAATTTTGTG 162
Db 214 GGGCCCCAGACAGAGCTGTTTATGCCCATCTGTGCCACATACCTGTGATCTTGTG 273
QY 163 GTGGGGGTCAATGGCAATGCTCTGTGGTGTCTGTGGTGTATGTGCCAATTTTGTG 222
Db 274 GTGGCGCTGTGGCAATGGCTGACCTGTCTGTGGTGTATGTGCCACATACCTGTGATCTTGTG 333
QY 223 AGCCCAACAACTACTACTCTTTCAGCTGGGGTCTCTGACCTCTGCTGTCTGCTCTT 282
Db 334 AGCCCTACCACTACTACTCTTTCAGCTGGGGTCTCTGACCTCTGCTGTCTGCTGTG 393
QY 283 GGAATGCCCTGGAGTCTATGAGATGGCGCACTACCTTCTTCTGTCTGGGCGGTG 342
```


Db 394 GGCCTGCCCCCTGGAGCTCTATGAGATGGGCACAACTACCCCTTCCTGCTGGGGCTTGGT 453
Qy 343 GGCCTCTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTTGGCTCCATCCTCAGCATC 402
Db 454 GGCCTCTATTCCGACACCTACTTTTGGATGGTCTGCTGGCTCAGTCTCAACGTC 513
Qy 403 ACCACCGTCAGCGTGGAGCGGTACGTGGCCATCTCTACACCGGTTCGGGGCCAACTGCAG 462
Db 514 ACTGCCCTGAGCGTGGAGCGGTATGTGGCCGTGTGGCCACTCCAGGGCAGGTCCATG 573
Qy 463 AGCACCGCGCGCGGCCCTCAGGATCTCTGGCATCTCTGGGCTTCTCGTCTCTTC 522
Db 574 GTGACCGCGCGGCCATGTGCGCGAGTGTCTGGGCGGCTCTGGGCTTCTGGCCATCTCTGC 633
Qy 523 TCCCTGCGCCCAACACACGAGCATCATGGCATCAAGTTTCCACTACTTCCCAATGGGTCCCTG 582
Db 634 TCCCTGCGCCCAACACACGAGCTGCAAGCATCCGAGCTGCACTGGCGGGGCCA 693
Qy 583 GTCCAGGTCGGCCACCTGTACGGTCTATCAAGCCCATGTGGATCTCAATTTTCATCATC 642
Db 694 GTGCCAGACTCAGCTGTGTTCATGCTGGTCCGCGCACGGCCCTCTACACATGGTAGTG 753
Qy 643 CAGGTCACTCTCTCTATTCTTCACTCTCTCTCCCATGATGTCTCTACTACTAC 702
Db 754 CAGACCAACCGCGCT 813
Qy 703 CTCATGGCACCTCAGAGTGAG 722
Db 814 CTCATGGCTCGGACTGCG 833

RESULT 10

US-10-353-690-9
; Sequence 9, Application US/10353690
; Publication No. US20030215840A1
; GENERAL INFORMATION:
; APPLICANT: Logan, Thomas Joseph
; APPLICANT: Chun, Miyoung
; APPLICANT: Galvin, Katherine M.
; APPLICANT: Healy, Aileen
; APPLICANT: Acton, Susan L.
; APPLICANT: Donoghue, Mary
; APPLICANT: Stagliano, Nancy
; APPLICANT: Perodin, Jacqueline
; APPLICANT: Rodrigue-Way, Amelie
; TITLE OF INVENTION: Methods and compositions for treating
; TITLE OF INVENTION: cardiovascular disease using 1682, 6169, 6193, 7771, 14395,
; TITLE OF INVENTION: 23002, 3216, 43726, 69292, 26156, 32427, 2402, 7747, 1720,
; TITLE OF INVENTION: 9151, 60491, 1371, 7077, 33207, 1419, 18036, 16105, 36650,
; TITLE OF INVENTION: 14245, 58848, 1870, 25856, 32394, 3484, 345, 9252, 9135,
; TITLE OF INVENTION: 10532, 18610, 8165, 2448, 2445, 64624, 84237, 8912, 2868,
; TITLE OF INVENTION: 283, 2554, 9464, 17799, 26686, 43848, 32135, 12208, 2914,
; TITLE OF INVENTION: 51130, 19489, 21833, 2917, 59590, 15992, 2094, 2252, 3474,
; FILE REFERENCE: MPI02-018FAIRNOMIN
; CURRENT APPLICATION NUMBER: US/10/353,690
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: 60/353,224
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 60/364,529
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: 60/373,861
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/376,287
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: 60/388,080
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: 60/390,971
; PRIOR FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: 60/394,130
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: 60/394,797
; PRIOR FILING DATE: 2002-07-10

; PRIOR APPLICATION NUMBER: 60/404,904
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 60/405,450
; PRIOR FILING DATE: 2002-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 126
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-353-690-9

Query Match 38.5%; Score 280.8; DB 13; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

Qy 103 GGAACCTCGGCGGAGCCACTTCTCTCCCGGTCTGTGGTGTATGTGCGCATTTTGG 162
Db 88 GGGCCCCAGCAGACAGAGCTGTTCATGCCCATCTGTGCCACATACCTGTGTATCTTCGTG 147
Qy 163 GTGGGGGTCAATTGGCAATCTCTGGTGTGCTTGGTGTATCTTCAGCACCAGCGGTATGAAG 222
Db 148 GTGGGGGTGTGGGCAATGGGTGACCTGTCTGGTGTATCTTCGGCCACAGGCGCATGCG 207
Qy 223 ACGCCCAACCAACTACTACTCTTTCAGCCTGGGGGTCTCTGACCTCTCTGGTCTCTCTT 282
Db 208 AGCCCTACCAACTACTACTCTTTCAGCCTGGGGGTCTCTGACCTCTCTGGTCTCTCTT 267
Qy 283 GGAATGCCCTGAGGTCTATGAGATGTGGCGAATACCTTCTTGTTCGGGGCCCGTG 342
Db 268 GGCCTGCCCTGAGCTCTATGAGATGTGGCACACTACCCCTTCTCTGCTGGCGGTGGT 327
Qy 343 GGCCTGCTACTTCAAGACGGCCCTCTTTGAGACCGGTGTCTGCTCTCCATCTCAGCATC 402
Db 328 GGCCTGCTATTTCCGCGACGCTACTGTTTGGATGGTCTGCTGGCTCTCAGTCTCAACGTC 387
Qy 403 ACCACCGTCAGCGTGGAGCGCTACGTGGGCATCTTACACCCGTTCCGCGCCAACTGCAG 462
Db 388 ACTGCCCTGAGCGTGGAAAGCTATGTGGCGGTGGTGCACCCACTCAGGCGAGTCCATG 447
Qy 463 AGCACCGCGCGCGGCCCTCTCAGGATCTCTGGCATCGTCTGGGGGTCTCTGGTCTCTTC 522
Db 448 GTGACCGCGGCCCATGTGCGCGAGTGTCTGGGGCGGTCTGGGGGTCTTGGCATGCTCTGC 507
Qy 523 TCCCTGCGCCCAACACGAGCATTCATGCACTCAAGTCCACTACTTCCCCATGGTCCCTG 582
Db 508 TCCCTGCGCCCAACACGAGCTGCAAGCATCCGCGAGCTCAGCGTCCCTGCGGGGCCA 567
Qy 583 GTCCAGGTTGGGCCACCTGTAGGTCATCAAGCCCATGTGGATCTTACAAATTTTCATCATC 642
Db 568 GTGCCAGACTCAGCTCTTTTGGATGTGGTCCGCCCAACGGGGCCCTTACAAATGGTAGTG 627
Qy 643 CAGGTCACTCTCTCTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 702
Db 628 CAGACCAACCGCGCTCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 687
Qy 703 CTCATGGCATCAGAGTGAG 722
Db 688 CTCATGGCTCGGACTGCG 707

RESULT 11

US-10-083-168-13
; Sequence 13, Application US/10083168
; Publication No. US20030023059A1
; GENERAL INFORMATION:
; APPLICANT: Liaw, Chen W.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; APPLICANT: Maciejewski-Lenior, Dominique
; APPLICANT: Leonard, James N.
; APPLICANT: Ortuno, Daniel

APPLICANT: Lin, I-Lin
TITLE OF INVENTION: Endogenous And No. US20030023069A1-Endogenous, Constitutively Act
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0320
CURRENT APPLICATION NUMBER: US/10/083,168
CURRENT FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 1212
TYPE: DNA
ORGANISM: Homo sapiens
US-10-083-168-13

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

103 GGACCTCGGCGCAGCCACTTCTTCTCCCTCCGCTGCTGTGTATGTGCAATTTTGTG 162
Db |||||
163 GTGGGGTCTATGTGCAATGCTCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 222
Db |||||
148 GTGGGGCTGTGGGCAATGGCTGACCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTG 147
Db |||||
223 AGGCCCCAACAATACTACTTACCTTTCAGCTGTGCTGTGCTGTGCTGTGCTGTGCT 282
Db |||||
208 AGGCTTACCAACTACTACTCTTTCAGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 267
Db |||||
283 GGAATGCCCTGGAGGCTATGAGATGTGGCGCAATACCTTCTTGTGGGCGCGTG 342
Db |||||
268 GGCTGCCCCGGAGCTCTATGAGATGTGGCAAACTTACCCCTTCTGCTGGGCGTGGT 327
Db |||||
343 GGCTGCTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTTCCGCTTCCATCTCAGCATC 402
Db |||||
328 GGCTGCTATTTCCGACGCTACTGTTTGTGATGTGCTGTGCTGTGCTGTGCTGTGCT 387
Db |||||
403 ACCACCGTCAAGCTGTGAGCGCTAGTGGGCAATCTCAACCGCTTCCGCGCCAACTGCAG 462
Db |||||
388 ACTGCCCTGAGCTGTGAACGCTATGTGGCGGTGTGCTGTGCTGTGCTGTGCTGTGCT 447
Db |||||
463 AGCACCGGCGCGGCGCCCTCAGGATCTCGGCATCTCTGCGGCTTCTCCGCTCTTCTC 522
Db |||||
448 GTGACGGGCGCCCAATGTGCGCGAGTGTGGGCGCTGTGGGCTGTGGGCTGTGGGCT 507
Db |||||
523 TCCCTGCCCAACACAGCATCCATGAGTCAAGTTCCACTACTTCCCAATGGGTCCTCTG 582
Db |||||
508 TCCCTGCCCAACACAGCATCCGCGATCGGCGAGTGTGCGGCTGTGCGGCGCCCA 567
Db |||||
583 GTCCCAAGTTCGGGCACTGTACCGTCAATGAGCCCAATGTGATCTACAAATTTTCATC 642
Db |||||
568 GTGCCAGACTCAGCTGTTTGTGATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 627
Db |||||
643 CAGGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 702
Db |||||
628 CAGACCAACCGGCTGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 687
Db |||||
703 CTCATGGCACTCAGAGTGAG 722
Db |||||
688 CTCATTGGGCTGCGACTGCG 707

RESULT 12
US-10-083-168-82
Sequence 82, Application US/10083168
Publication No. US20030023069A1
GENERAL INFORMATION:
APPLICANT: Lin, Chen W.
APPLICANT: Chalmers, Derek T.
APPLICANT: Behan, Dominic P.
APPLICANT: Maciejewski-Lenior, Dominique
APPLICANT: Leonard, James N.

APPLICANT: Ortuno, Daniel
APPLICANT: Lin, I-Lin
TITLE OF INVENTION: Endogenous And No. US20030023069A1-Endogenous, Constitutively Act
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0320
CURRENT APPLICATION NUMBER: US/10/083,168
CURRENT FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.1
SEQ ID NO 82
LENGTH: 1212
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: No. US20030023069A1el Sequence
US-10-083-168-82

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

103 GGACCTCGGCGCAGCCACTTCTTCTCCCTCCGCTGCTGTGTATGTGCAATTTTGTG 162
Db |||||
163 GTGGGGTCTATGTGCAATGCTCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTG 222
Db |||||
148 GTGGGGCTGTGGGCAATGGCTGACCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTG 207
Db |||||
223 AGGCCCCAACAATACTACTTACCTTTCAGCTGTGCTGTGCTGTGCTGTGCTGTGCT 282
Db |||||
208 AGGCTTACCAACTACTACTCTTTCAGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 267
Db |||||
283 GGAATGCCCTGGAGGCTATGAGATGTGGCGCAATACCTTCTTGTGGGCGCGTG 342
Db |||||
268 GGCTGCCCCGGAGCTCTATGAGATGTGGCAAACTTACCCCTTCTGCTGGGCGTGGT 327
Db |||||
343 GGCTGCTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTTCCGCTTCCATCTCAGCATC 402
Db |||||
328 GGCTGCTATTTCCGACGCTACTGTTTGTGATGTGCTGTGCTGTGCTGTGCTGTGCT 387
Db |||||
403 ACCACCGTCAAGCTGTGAGCGCTAGTGGGCAATCTCAACCGCTTCCGCGCCAACTGCAG 462
Db |||||
388 ACTGCCCTGAGCTGTGAACGCTATGTGGCGGTGTGCTGTGCTGTGCTGTGCTGTGCT 447
Db |||||
463 AGCACCGGCGCGGCGCCCTCAGGATCTCGGCATCTCTGCGGCTTCTCCGCTCTTCTC 522
Db |||||
448 GTGACGGGCGCCCAATGTGCGCGAGTGTGGGCGCTGTGGGCTGTGGGCTGTGGGCT 507
Db |||||
523 TCCCTGCCCAACACAGCATCCATGAGTCAAGTTCCACTACTTCCCAATGGGTCCTCTG 582
Db |||||
508 TCCCTGCCCAACACAGCATCCGCGATCGGCGAGTGTGCGGCTGTGCGGCGCCCA 567
Db |||||
583 GTCCCAAGTTCGGGCACTGTACCGTCAATGAGCCCAATGTGATCTACAAATTTTCATC 642
Db |||||
568 GTGCCAGACTCAGCTGTTTGTGATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 627
Db |||||
643 CAGGTCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 702
Db |||||
628 CAGACCAACCGGCTGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 687
Db |||||
703 CTCATGGCACTCAGAGTGAG 722
Db |||||
688 CTCATTGGGCTGCGACTGCG 707

RESULT 13
US-10-251-385-113
Sequence 113, Application US/10251385
Publication No. US20030105292A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.

/ APPLICANT: Liaw, Chen W.
/ TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
/ TITLE OF INVENTION: Protein-Coupled
/ TITLE OF INVENTION: Receptors
/ FILE REFERENCE: AREN-0040
/ CURRENT APPLICATION NUMBER: US/10/251,385
/ CURRENT FILING DATE: 2002-09-20
/ PRIOR APPLICATION NUMBER: US/09/170,496
/ PRIOR FILING DATE: 1998-10-13
/ NUMBER OF SEQ ID NOS: 294
/ SOFTWARE: Patent in version 3.1
/ SEQ ID NO 113
/ LENGTH: 1212
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-251-385-113

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

QY 103 GGACCTGGCGCAGCAGCACTTCTCTCCCGCTGCTGTGGTGTATGTGCCAATTTTGTG 162
DB 88 GGGCCCCAGCAGACAGAGCTGTTATGCCCATCTGTGCCATACCTGCTGATCTTCGTG 147
QY 163 GTGGGGTCATTGGCAATGTCCTGCTGCTGTGCTGTGATTTGCGACACCGGCTATGAAG 222
DB 148 GTGGCGCTGTGGCAATGGGCTGACCTGTCTGGTCACTCTGCCCAACAAGGCCATCGC 207
QY 223 ACGCCCACTACTACTCTTACGCTGGCGTCTCTGACCTCTGCTGCTGCTCTCTT 282
DB 208 ACGCTACCACTACTACTCTTACGCTGGCGTGTGCGACCTGCTGTGCTGTGCTG 267
QY 283 GGAATGCCCTGGAGGCTATGAGATGTGGCGCACTACCCCTTTCTTTTGGGCCCCGTG 342
DB 268 GGCCTGCCCTGGAGCTCTATGAGATGTGGCAACTACCCCTTCTCTGCTGGCGTTGGT 327
QY 343 GGCTGCTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTGCGCTCCATCTCAGCATC 402
DB 328 GGCCTGCTATTTCCGACGCTACTGTTTGGATGTGTGCTGGGCTCAGTGTCTCAAGCTC 387
QY 403 ACCACGTCAGGTGGAGCGCTACGTGGCCATCTACACCCGTTCCGCGCCAACTGCAG 462
DB 388 ACTGCCCTGAGCGTGAACGCTATGTGGCCGTGTGGACCCCACTCCAGGCCAGGTCCATG 447
QY 463 AGCACCCGCGCGCGCCCTCAGGATCTCTCGGCATCTGTGGGGCTTCTCCGCTCTTC 522
DB 448 GTGACGCGGGCCATGTGCGCGAGTGTGTGGGCGCTCTGGGTCTTGCCATGCTCTGC 507
QY 523 TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCCACTACTTCCCAATGGGTCCCTG 582
DB 508 TCCCTGCCCAACACAGCATCCGCGCATCCGCGAGCTGCAGTGCCTGCGCGGCCCA 567
QY 583 GTCCAGGTTGGCCACCTGACGTCTATCAAGCCATGTGGATCTACAATTTTCATC 642
DB 568 GTGCCAGACTCAGCTGTTTGGATGTGTGCTCGGCCACCGGCCCTCTACACATGTTAGT 627
QY 643 CAGGTCACTCTCTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 702
DB 628 CAGACACCGCGCT 687
QY 703 CTCATGGCACTCAGAGTGAG 722
DB 688 CTCATGGGCTCGAGTGG 707

RESULT 14
US-10-251-385-223
/ Sequence 223, Application US/10251385
/ Publication No. US20030105292A1
/ GENERAL INFORMATION:
/ APPLICANT: Behan, Dominic P.
/ APPLICANT: Chalmers, Derek T.

/ APPLICANT: Liaw, Chen W.
/ TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
/ TITLE OF INVENTION: Protein-Coupled
/ TITLE OF INVENTION: Receptors
/ FILE REFERENCE: AREN-0040
/ CURRENT APPLICATION NUMBER: US/10/251,385
/ CURRENT FILING DATE: 2002-09-20
/ PRIOR APPLICATION NUMBER: US/09/170,496
/ PRIOR FILING DATE: 1998-10-13
/ NUMBER OF SEQ ID NOS: 294
/ SOFTWARE: Patent in version 3.1
/ SEQ ID NO 223
/ LENGTH: 1212
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-251-385-223

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

QY 103 GGACCTGGCGCAGCAGCACTTCTCTCCCGCTGCTGTGGTGTATGTGCCAATTTTGTG 162
DB 88 GGGCCCCAGCAGACAGAGCTGTTATGCCCATCTGTGCCATACCTGCTGATCTTCGTG 147
QY 163 GTGGGGTCATTGGCAATGTCCTGCTGCTGTGCTGTGATTTGCGACACCGGCTATGAAG 222
DB 148 GTGGCGCTGTGGCAATGGGCTGACCTGTCTGGTCACTCTGCCCAACAAGGCCATCGC 207
QY 223 ACGCCCACTACTACTCTTACGCTGGCGTCTCTGACCTCTGCTGCTGCTCTCTT 282
DB 208 ACGCTACCACTACTACTCTTACGCTGGCGTGTGCGACCTGCTGTGCTGTGCTG 267
QY 283 GGAATGCCCTGGAGGCTATGAGATGTGGCGCACTACCCCTTTCTTTTGGGCCCCGTG 342
DB 268 GGCCTGCCCTGGAGCTCTATGAGATGTGGCAACTACCCCTTCTCTGCTGGCGTTGGT 327
QY 343 GGCTGCTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTGCGCTCCATCTCAGCATC 402
DB 328 GGCCTGCTATTTCCGACGCTACTGTTTGGATGTGTGCTGGGCTCAGTGTCTCAAGCTC 387
QY 403 ACCACGTCAGGTGGAGCGCTACGTGGCCATCTACACCCGTTCCGCGCCAACTGCAG 462
DB 388 ACTGCCCTGAGCGTGAACGCTATGTGGCCGTGTGGACCCCACTCCAGGCCAGGTCCATG 447
QY 463 AGCACCCGCGCGCGCCCTCAGGATCTCTCGGCATCTGTGGGGCTTCTCCGCTCTTC 522
DB 448 GTGACGCGGGCCATGTGCGCGAGTGTGTGGGCGCTCTGGGTCTTGCCATGCTCTGC 507
QY 523 TCCCTGCCCAACACAGCATCCATGGCATCAAGTTCCACTACTTCCCAATGGGTCCCTG 582
DB 508 TCCCTGCCCAACACAGCATCCGCGCATCCGCGAGCTGCAGTGCCTGCGCGGCCCA 567
QY 583 GTCCAGGTTGGCCACCTGACGTCTATCAAGCCATGTGGATCTACAATTTTCATC 642
DB 568 GTGCCAGACTCAGCTGTTTGGATGTGTGCTCGGCCACCGGCCCTCTACACATGTTAGT 627
QY 643 CAGGTCACTCTCTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 702
DB 628 CAGACACCGCGCT 687
QY 703 CTCATGGCACTCAGAGTGAG 722
DB 688 CTCATGGGCTCGAGTGG 707

RESULT 15
US-10-225-567A-539
/ Sequence 539, Application US/10225567A
/ Publication No. US20030113798A1
/ GENERAL INFORMATION:
/ APPLICANT: LifeSpan Biosciences
/ APPLICANT: Brown, Joseph P.

APPLICANT: Burmer, Glenna C.
APPLICANT: Roush, Christine L.
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
SEQ ID NO 539
LENGTH: 1212
TYPE: DNA
ORGANISM: Homo sapiens
US-10-225-567A-539

Query Match 38.5%; Score 280.8; DB 15; Length 1212;
Best Local Similarity 65.8%; Pred. No. 5.1e-70;
Matches 408; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

| | | |
|----|-----|--|
| Qy | 103 | GGACCTCGGCGCAGCCACTCTTCCTCCCGGTGCTGTGGTGATGTGCCAATTTTGTG 162 |
| Db | 88 | GGGCCCCCAGCAGACAGAGCTGTTTCATGCCCATCTGTGCCACATACCTGCTGATCTTCGTG 147 |
| Qy | 163 | GTGGGGGTCAATTGGCAATGTCCTGTGTGCTGTGCTGATTTCTGCAGACACAGGCTATGAAG 222 |
| Db | 148 | GTGGGGCGCTGTGGGCAATGGGCTGACCTGTCTGTGTCATCTCTGCCACCAAGGCCATGGGC 207 |
| Qy | 223 | ACGCCCAACCACTACTACCTCTTCAGCTGGCGGTCTCTGACCTCGTGGTCTGCTCCTT 282 |
| Db | 208 | ACGCTACCAACTACTACTACCTCTTCAGCTGGCGGTGCTGGACCTGTGGTGCTGTGCTG 267 |
| Qy | 283 | GGAAATGCCCTCGAGGTCTATAGATGTGGCGCAACTACCCCTTTCTTGTTCGGGGCCGCTG 342 |
| Db | 268 | GGCTGCCCCCTGGAGCTCTATGAGATGTGGCACAACCTACCCCTTCTGCTGGCGTTGGT 327 |
| Qy | 343 | GGCTGTACTTCAAGACGGCCCTCTTTGAGACCGTGTGCTTGGCTTCCATCTCTCAGCATC 402 |
| Db | 328 | GGCTGTCTAATTTCCGCAACGCTACTGTTTGTGATGCTGTGCTGGCTCTCAGTGTCTCAACGTC 387 |
| Qy | 403 | ACCACGCTCAGCGTGGAGCGCTACGTGGCCATCTACACCGTTCCGCGCCAACTGCAG 462 |
| Db | 388 | ACTGCCCTGAGCGTGGAAACGCTATGTGGCGGTGGTGACCCACTCCAGGCCAGGTCCATG 447 |
| Qy | 463 | AGCACCGCGCGCGGCCCTCAGGATCTCGGCATGCTTGGGGCTTCTCCGTGCTCTTC 522 |
| Db | 448 | GTGACGCGGGCCCATGTGCGCCGAGTCTTGGGGCGCTCTGGGGTCTTGCCATGCTCTGC 507 |
| Qy | 523 | TCCCTGCCCAACACCAAGCATCCATGGCATCAAGTTCCACTACTTCCCCCAATGGGTCCCTG 582 |
| Db | 508 | TCCCTGCCCAACACCAAGCATCCAGCTGCGGCATCCGGCAGCTGCACGTGCCCTGCCGGGCCCA 567 |
| Qy | 583 | GTCCAGGTTGGGCCACTGTACGGTCATCAAGCCCATGTGGATCTACAAATTCATCATC 642 |
| Db | 568 | GTGCCAGACTCAGCTGTTTGCATGCTGGTCCGCCCAAGGCCCTCTACAAATGGTAGTG 627 |
| Qy | 643 | CAGGTACCTCTCTCTTCTTCT 702 |
| Db | 628 | CAGACCAACCGGCTGCT 702 |
| Qy | 703 | CTCATGGCACTCAGAGTGAG 722 |
| Db | 688 | CTCATGGGCTGGGACTGCG 707 |

Search completed: February 13, 2004, 19:33:55
Job time : 336 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 13, 2004, 19:36:13 ; Search time 74 Seconds
(without alignments)
684.737 Million cell updates/sec

Title: US-09-684-725-2
Perfect score: 1263
Sequence: 1 MEKLNASWYQKLEDPFQ.....LLPMTVISVLYMALRVSI 242

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 801455 seqs, 209382283 residues

Total number of hits satisfying chosen parameters: 801455

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 1252 | 99.1 | 249 | 11 | US-09-782-974C-18 |
| 2 | 1252 | 99.1 | 412 | 15 | US-10-225-567A-557 |
| 3 | 1252 | 99.1 | 415 | 12 | US-10-272-983-12 |
| 4 | 1252 | 99.1 | 415 | 12 | US-10-393-807-12 |
| 5 | 1252 | 99.1 | 415 | 12 | US-10-417-820A-12 |
| 6 | 680.5 | 53.9 | 403 | 15 | US-10-353-690-10 |
| 7 | 680.5 | 53.9 | 403 | 15 | US-10-251-385-114 |
| 8 | 680.5 | 53.9 | 403 | 15 | US-10-251-385-224 |
| 9 | 680.5 | 53.9 | 403 | 15 | US-10-225-567A-540 |
| 10 | 680.5 | 53.9 | 403 | 15 | US-10-290-078-18 |
| 11 | 677.5 | 53.6 | 445 | 12 | US-10-240-145-53 |
| 12 | 677.5 | 53.6 | 445 | 12 | US-10-240-145-139 |
| 13 | 418 | 33.1 | 419 | 9 | US-09-804-551B-26 |
| 14 | 418 | 33.1 | 428 | 15 | US-10-270-333-114 |
| 15 | 352 | 27.9 | 595 | 12 | US-10-314-076-117 |

| | | | | | |
|----|-------|------|-----|----|--------------------|
| 16 | 352 | 27.9 | 595 | 15 | US-10-270-333-195 |
| 17 | 337 | 26.7 | 660 | 15 | US-10-270-333-192 |
| 18 | 333 | 26.4 | 412 | 12 | US-10-318-661-28 |
| 19 | 333 | 26.4 | 412 | 12 | US-10-206-677-2 |
| 20 | 333 | 26.4 | 412 | 12 | US-10-417-820A-130 |
| 21 | 333 | 26.4 | 412 | 12 | US-10-417-820A-150 |
| 22 | 333 | 26.4 | 412 | 15 | US-10-225-567A-473 |
| 23 | 333 | 26.4 | 412 | 15 | US-10-290-078-15 |
| 24 | 332.5 | 26.3 | 378 | 12 | US-10-369-493-6848 |
| 25 | 325.5 | 25.8 | 418 | 15 | US-09-826-509-535 |
| 26 | 325.5 | 25.8 | 418 | 15 | US-10-225-567A-207 |
| 27 | 303.5 | 24.0 | 418 | 12 | US-10-369-493-5319 |
| 28 | 281 | 22.2 | 416 | 12 | US-10-205-219-21 |
| 29 | 277 | 21.9 | 289 | 12 | US-10-303-204A-10 |
| 30 | 277 | 21.9 | 289 | 15 | US-10-225-567A-140 |
| 31 | 277 | 21.9 | 361 | 12 | US-10-303-204A-8 |
| 32 | 277 | 21.9 | 366 | 12 | US-10-303-204A-13 |
| 33 | 277 | 21.9 | 366 | 15 | US-10-251-385-88 |
| 34 | 277 | 21.9 | 366 | 15 | US-10-251-385-210 |
| 35 | 274 | 21.7 | 353 | 12 | US-10-303-204A-3 |
| 36 | 274 | 21.7 | 364 | 12 | US-10-303-204A-16 |
| 37 | 273 | 21.6 | 289 | 12 | US-10-303-204A-5 |
| 38 | 263.5 | 20.9 | 275 | 15 | US-10-267-811-3 |
| 39 | 262.5 | 20.8 | 222 | 10 | US-09-911-005-4 |
| 40 | 262.5 | 20.8 | 222 | 12 | US-10-145-586-33 |
| 41 | 262.5 | 20.8 | 259 | 9 | US-08-796-338A-23 |
| 42 | 262.5 | 20.8 | 259 | 12 | US-10-145-586-23 |
| 43 | 262.5 | 20.8 | 259 | 12 | US-10-145-586-38 |
| 44 | 262.5 | 20.8 | 259 | 12 | US-09-971-269-7 |
| 45 | 262.5 | 20.8 | 259 | 12 | US-09-971-269-14 |

ALIGNMENTS

RESULT 1

US-09-782-974C-18
; Sequence 18, Application US/09782974C
; Publication No. US20030082534A1
; GENERAL INFORMATION:
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Lind, Peter
; APPLICANT: Wood, Linda S.
; APPLICANT: Parodi, Luis A.
; TITLE OF INVENTION: No. US20030082534A1el G Protein Coupled Receptor
; FILE REFERENCE: 41USPHRM311
; CURRENT APPLICATION NUMBER: US/09/782,974C
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/165,838
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 09/714,449
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 60/198,568
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: 60/166,071
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/166,678
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: 60/173,396
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 60/184,129
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: 60/185,421
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/185,554
; PRIOR FILING DATE: 2000-02-28
; PRIOR APPLICATION NUMBER: 60/186,530
; PRIOR FILING DATE: 2000-03-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 249

```

; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-782-974C-18

Query Match          99.1%; Score 1252; DB 11; Length 249;
Best Local Similarity 99.2%; Pred. No. 1.1e-116;
Matches 240; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 60
DB 3 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 62
QY 61 VLVCVLVILQHOAMKTPNNYLFSLAVSDLLVLLGMPLEVEYEMWRYNPFVVGVCYFKT 120
DB 63 VLVCVLVILQHOAMKTPNNYLFSLAVSDLLVLLGMPLEVEYEMWRYNPFVVGVCYFKT 122
QY 121 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLNPTS 180
DB 123 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLNPTS 182
QY 181 IHGKHFHYPNGSLVPGSATCTVIKPMWYNFIQVTSFLFYLLPMTVISVLYLMALRV 240
DB 183 IHGKHFHYPNGSLVPGSATCTVIKPMWYNFIQVTSFLFYLLPMTVISVLYLMALRV 242
QY 241 SI 242
DB 243 SI 244

RESULT 2
US-10-225-567A-557
; Sequence 557, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 557
; LENGTH: 412
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-557

Query Match          99.1%; Score 1252; DB 15; Length 412;
Best Local Similarity 99.6%; Pred. No. 2e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 60
DB 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 60
QY 61 VLVCVLVILQHOAMKTPNNYLFSLAVSDLLVLLGMPLEVEYEMWRYNPFVVGVCYFKT 120
DB 61 VLVCVLVILQHOAMKTPNNYLFSLAVSDLLVLLGMPLEVEYEMWRYNPFVVGVCYFKT 120
QY 121 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLNPTS 180
DB 121 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLNPTS 180
QY 181 IHGKHFHYPNGSLVPGSATCTVIKPMWYNFIQVTSFLFYLLPMTVISVLYLMALRV 240
DB 181 IHGKHFHYPNGSLVPGSATCTVIKPMWYNFIQVTSFLFYLLPMTVISVLYLMALRV 240
```

```

RESULT 3
US-10-272-983-12
; Sequence 12, Application US/10272983
; Publication No. US20030148450A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
; FILE REFERENCE: AREN0050
; CURRENT APPLICATION NUMBER: US/10/272,983
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US/09/417,044
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 60/109,213
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/120,416
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/121,851
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-272-983-12

Query Match          99.1%; Score 1252; DB 12; Length 415;
Best Local Similarity 99.6%; Pred. No. 2e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 60
DB 4 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRRSHFFLPVSVVYVPFVVGVI 63
QY 61 VLVCVLVILQHOAMKTPNNYLFSLAVSDLLVLLGMPLEVEYEMWRYNPFVVGVCYFKT 120
DB 64 VLVCVLVILQHOAMKTPNNYLFSLAVSDLLVLLGMPLEVEYEMWRYNPFVVGVCYFKT 123
QY 121 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLNPTS 180
DB 124 ALFETVCFASILSITTVSVERYVAILHPFRKLOSTRRALRIILGIWGSVLSPLNPTS 183
QY 181 IHGKHFHYPNGSLVPGSATCTVIKPMWYNFIQVTSFLFYLLPMTVISVLYLMALRV 240
DB 184 IHGKHFHYPNGSLVPGSATCTVIKPMWYNFIQVTSFLFYLLPMTVISVLYLMALRV 243

RESULT 4
US-10-393-807-12
; Sequence 12, Application US/10393807
; Publication No. US20030175891A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Dang, Huong T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
```

```
FILE REFERENCE: AREN0050
CURRENT APPLICATION NUMBER: US/10/393,807
CURRENT FILING DATE: 2003-03-21
PRIOR APPLICATION NUMBER: US/09/417,044
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,851
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,567
PRIOR FILING DATE: 1999-05-28
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 74
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 12
LENGTH: 415
TYPE: PRT
ORGANISM: Homo sapiens
US-10-393-807-12

Query Match          99.1%; Score 1252; DB 12; Length 415;
Best Local Similarity 99.6%; Pred. No. 2e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRSHFPLVSVVYVPFVGVIGN 60
DB 4 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRSHFPLVSVVYVPFVGVIGN 63

QY 61 VLVCVLVILQHOAMKPTNYLFLSLAVSDLLVLLGMPLEVYEMWNRNYPFLFGPVGCYFKT 120
DB 64 VLVCVLVILQHOAMKPTNYLFLSLAVSDLLVLLGMPLEVYEMWNRNYPFLFGPVGCYFKT 123

QY 121 ALFETVCFASILSIITVSVERVAILHPFRALQSTRRRALRILGIWGFSLFSLNPTS 180
DB 124 ALFETVCFASILSIITVSVERVAILHPFRALQSTRRRALRILGIWGFSLFSLNPTS 183

QY 181 IHGKIFHPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMAALRV 240
DB 184 IHGKIFHPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMAALRV 243

RESULT 5
US-10-417-820A-12
Sequence 12, Application US/10417820A
Publication No. US20030229216A1
GENERAL INFORMATION:
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
APPLICANT: Lowitz, Kevin
APPLICANT: Chalmers, Derek T.
APPLICANT: Behan, Dominic P.
TITLE OF INVENTION: Constitutively Activated Human G Protein Coupled
FILE REFERENCE: 7.US28.CON
CURRENT APPLICATION NUMBER: US/10/417,820A
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1998-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
```

```
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 155
SOFTWARE: Patent In version 3.2
SEQ ID NO 12
LENGTH: 415
TYPE: PRT
ORGANISM: Homo sapiens
US-10-417-820A-12

Query Match          99.1%; Score 1252; DB 12; Length 415;
Best Local Similarity 99.6%; Pred. No. 2e-116;
Matches 239; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRSHFPLVSVVYVPFVGVIGN 60
DB 4 MEKLNASWYQOKLEDPFQKHLNSTEYLAFLCGPRSHFPLVSVVYVPFVGVIGN 63

QY 61 VLVCVLVILQHOAMKPTNYLFLSLAVSDLLVLLGMPLEVYEMWNRNYPFLFGPVGCYFKT 120
DB 64 VLVCVLVILQHOAMKPTNYLFLSLAVSDLLVLLGMPLEVYEMWNRNYPFLFGPVGCYFKT 123

QY 121 ALFETVCFASILSIITVSVERVAILHPFRALQSTRRRALRILGIWGFSLFSLNPTS 180
DB 124 ALFETVCFASILSIITVSVERVAILHPFRALQSTRRRALRILGIWGFSLFSLNPTS 183

QY 181 IHGKIFHPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMAALRV 240
DB 184 IHGKIFHPNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMAALRV 243

RESULT 6
US-10-353-690-10
Sequence 10, Application US/10353690
Publication No. US20030215840A1
GENERAL INFORMATION:
APPLICANT: Logan, Thomas Joseph
APPLICANT: Chun, Miyoung
APPLICANT: Galvin, Katherine M.
APPLICANT: Healy, Aileen
APPLICANT: Acton, Susan L.
APPLICANT: Donoghue, Mary
APPLICANT: Stagliano, Nancy
APPLICANT: Perodin, Jacqueline
APPLICANT: Rodrigue-Way, Amelie
TITLE OF INVENTION: Methods and compositions for treating
TITLE OF INVENTION: cardiovascular disease using 1682, 6169, 6193, 7771, 14395,
TITLE OF INVENTION: 29002, 33216, 43726, 59292, 26156, 32427, 2402, 7747, 1720,
TITLE OF INVENTION: 9151, 60491, 1371, 7077, 33207, 1419, 18036, 16105, 38650,
TITLE OF INVENTION: 14245, 58848, 1870, 25856, 32394, 3484, 345, 9252, 9135,
TITLE OF INVENTION: 10532, 18610, 8165, 2448, 2445, 64624, 84237, 8912, 2869,
TITLE OF INVENTION: 283, 2554, 9464, 17799, 26686, 43848, 32135, 12208, 2914,
TITLE OF INVENTION: 51130, 15489, 21833, 2917, 55590, 15992, 2094, 2252, 3474,
TITLE OF INVENTION: 9792, 15400, 1452 or 6585 molecules
FILE REFERENCE: MPI02-018P.NOMIN
CURRENT APPLICATION NUMBER: US/10/353,690
CURRENT FILING DATE: 2003-01-29
PRIOR APPLICATION NUMBER: 60/353,224
PRIOR FILING DATE: 2002-02-01
```

PRIOR APPLICATION NUMBER: 60/364,529
PRIOR FILING DATE: 2002-03-15
PRIOR APPLICATION NUMBER: 60/373,861
PRIOR FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 60/376,287
PRIOR FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: 60/388,080
PRIOR FILING DATE: 2002-06-12
PRIOR APPLICATION NUMBER: 60/390,971
PRIOR FILING DATE: 2002-06-24
PRIOR APPLICATION NUMBER: 60/394,130
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: 60/394,797
PRIOR FILING DATE: 2002-07-10
PRIOR APPLICATION NUMBER: 60/404,904
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: 60/405,450
PRIOR FILING DATE: 2002-08-23
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 126
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 10
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-10-353-690-10

Query Match 53.9%; Score 680.5; DB 12; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRSHFPLVSVVYVPIFVVGVLGNVLCVLILQHQAMKT 75
DB 13 DP--EDNLNLTDEALRLKYLGPQQTLEFMPICATYLLIFVVGAVNGGLTCLVILRHKAMRT 70
QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 130
QY 136 TVSVRYVAILHPFRKALQSTRRALRIILGIVVGFSVFLPNTSIHGKHFHYFNGSLV 195
DB 131 ALSVERVAVVHPLOARSMVTRAHVRVGLGAVNGLAMLCSLPNTSLHGIRQLHVPCEGPV 190
QY 196 PGSATCTVIKPMWYNFIQVTSFLFYLLPMTVLSVLYLMALRV 240
DB 191 PDSAVCMVLRPRALYNNMVVQTALLFFCLPMAINSVLYLLIGRL 235

RESULT 7
US-10-251-385-114
; Sequence 114, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 114
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-385-114

Query Match 53.9%; Score 680.5; DB 15; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRSHFPLVSVVYVPIFVVGVLGNVLCVLILQHQAMKT 75
DB 13 DP--EDNLNLTDEALRLKYLGPQQTLEFMPICATYLLIFVVGAVNGGLTCLVILRHKAMRT 70
QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 130
QY 136 TVSVRYVAILHPFRKALQSTRRALRIILGIVVGFSVFLPNTSIHGKHFHYFNGSLV 195
DB 131 ALSVERVAVVHPLOARSMVTRAHVRVGLGAVNGLAMLCSLPNTSLHGIRQLHVPCEGPV 190
QY 196 PGSATCTVIKPMWYNFIQVTSFLFYLLPMTVLSVLYLMALRV 240
DB 191 PDSAVCMVLRPRALYNNMVVQTALLFFCLPMAINSVLYLLIGRL 235

RESULT 8
US-10-251-385-224
; Sequence 224, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 224
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-385-224

Query Match 53.9%; Score 680.5; DB 15; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRSHFPLVSVVYVPIFVVGVLGNVLCVLILQHQAMKT 75
DB 13 DP--EDNLNLTDEALRLKYLGPQQTLEFMPICATYLLIFVVGAVNGGLTCLVILRHKAMRT 70
QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 130
QY 136 TVSVRYVAILHPFRKALQSTRRALRIILGIVVGFSVFLPNTSIHGKHFHYFNGSLV 195
DB 131 ALSVERVAVVHPLOARSMVTRAHVRVGLGAVNGLAMLCSLPNTSLHGIRQLHVPCEGPV 190
QY 196 PGSATCTVIKPMWYNFIQVTSFLFYLLPMTVLSVLYLMALRV 240
DB 191 PDSAVCMVLRPRALYNNMVVQTALLFFCLPMAINSVLYLLIGRL 235

RESULT 9
US-10-225-567A-540
; Sequence 540, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.

Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRSHFPLVSVVYVPIFVVGVLGNVLCVLILQHQAMKT 75
DB 13 DP--EDNLNLTDEALRLKYLGPQQTLEFMPICATYLLIFVVGAVNGGLTCLVILRHKAMRT 70
QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 130
QY 136 TVSVRYVAILHPFRKALQSTRRALRIILGIVVGFSVFLPNTSIHGKHFHYFNGSLV 195
DB 131 ALSVERVAVVHPLOARSMVTRAHVRVGLGAVNGLAMLCSLPNTSLHGIRQLHVPCEGPV 190
QY 196 PGSATCTVIKPMWYNFIQVTSFLFYLLPMTVLSVLYLMALRV 240
DB 191 PDSAVCMVLRPRALYNNMVVQTALLFFCLPMAINSVLYLLIGRL 235

RESULT 8
US-10-251-385-224
; Sequence 224, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 224
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-385-224

Query Match 53.9%; Score 680.5; DB 15; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRSHFPLVSVVYVPIFVVGVLGNVLCVLILQHQAMKT 75
DB 13 DP--EDNLNLTDEALRLKYLGPQQTLEFMPICATYLLIFVVGAVNGGLTCLVILRHKAMRT 70
QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMWRYNYPFLGPGVGCYFKTALFETVCFASILSIT 130
QY 136 TVSVRYVAILHPFRKALQSTRRALRIILGIVVGFSVFLPNTSIHGKHFHYFNGSLV 195
DB 131 ALSVERVAVVHPLOARSMVTRAHVRVGLGAVNGLAMLCSLPNTSLHGIRQLHVPCEGPV 190
QY 196 PGSATCTVIKPMWYNFIQVTSFLFYLLPMTVLSVLYLMALRV 240
DB 191 PDSAVCMVLRPRALYNNMVVQTALLFFCLPMAINSVLYLLIGRL 235

RESULT 9
US-10-225-567A-540
; Sequence 540, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.

APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 540
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-540

Query Match 53.9%; Score 680.5; DB 15; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

Qy 17 DPFGKHLNSTEYLAF-LCGPRRSHFFLPVSVVYPIFFVVGIVGNVLVCLVILQHOAMKT 75
Db 13 DP--EDNLNLTDEALRLKYLGPQOTLEFMPICATYLLIFVVGAVGNGLTCLVILRHKAMRT 70

Qy 76 PTNYLFSLSVSDLLVLLGNLPLEVYEMWRYNYPFLFGVGCYFKTALFETVCFASILSIT 135
Db 71 PTNYLFSLSVSDLLVLLGNLPLEVYEMWRYNYPFLFGVGCYFKTALFETVCFASILSIT 130

Qy 136 TVSVERYVAIHPFRALQSTRRRALRILGIVGFSVLFSLPNTSIHGKIFHYFPNGSLV 195
Db 131 ALSVERYAVVHPQLQARSMTTRAHVRVILGAVWGLMCLSLPNTSLHGIRQLHVPGRGPV 190

Qy 196 PGSATCTVIKPMWYNIQVTSFLFYLLPMTVISVLYLMALRV 240
Db 191 PDSAVCMVLPVPRALYNNVQTTALLFFCLPMAINSVLYLLIGLRL 235

RESULT 10
US-10-290-078-18
; Sequence 18, Application US/10290078
; Publication No. US20030124596A1
; GENERAL INFORMATION:
; APPLICANT: Carroll, Joseph A.
; TITLE OF INVENTION: Methods and Compositions for Treating
; TITLE OF INVENTION: Hematological Disorders Using 232, 2059, 10630, 12848, 13875,
; FILE REFERENCE: 14395, 14618, 17692 or 58874
; CURRENT APPLICATION NUMBER: US/10/290,078
; CURRENT FILING DATE: 2002-11-07
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 403
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-290-078-18

Query Match 53.9%; Score 680.5; DB 15; Length 403;
Best Local Similarity 56.0%; Pred. No. 1.8e-59;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

Qy 17 DPFGKHLNSTEYLAF-LCGPRRSHFFLPVSVVYPIFFVVGIVGNVLVCLVILQHOAMKT 75
Db 13 DP--EDNLNLTDEALRLKYLGPQOTLEFMPICATYLLIFVVGAVGNGLTCLVILRHKAMRT 70

Qy 76 PTNYLFSLSVSDLLVLLGNLPLEVYEMWRYNYPFLFGVGCYFKTALFETVCFASILSIT 135
Db 71 PTNYLFSLSVSDLLVLLGNLPLEVYEMWRYNYPFLFGVGCYFKTALFETVCFASILSIT 130

Qy 136 TVSVERYVAIHPFRALQSTRRRALRILGIVGFSVLFSLPNTSIHGKIFHYFPNGSLV 195
Db 131 ALSVERYAVVHPQLQARSMTTRAHVRVILGAVWGLMCLSLPNTSLHGIRQLHVPGRGPV 190

Qy 196 PGSATCTVIKPMWYNIQVTSFLFYLLPMTVISVLYLMALRV 240

Db 191 PDSAVCMVLPVPRALYNNVQTTALLFFCLPMAINSVLYLLIGLRL 235

RESULT 11
US-10-240-145-53
; Sequence 53, Application US/10240145
; Publication No. US20030235883A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: US/10/240,145
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 53
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-240-145-53

Query Match 53.6%; Score 677.5; DB 12; Length 445;
Best Local Similarity 56.0%; Pred. No. 4e-59;
Matches 126; Conservative 41; Mismatches 55; Indels 3; Gaps 2;

Qy 17 DPFGKHLNSTEYLAF-LCGPRRSHFFLPVSVVYPIFFVVGIVGNVLVCLVILQHOAMKT 75
Db 55 DP--EDNLNLTDEALRLKYLGPQOTLEFMPICATYLLIFVVGAVGNGLTCLVILRHKAMRT 112

Qy 76 PTNYLFSLSVSDLLVLLGNLPLEVYEMWRYNYPFLFGVGCYFKTALFETVCFASILSIT 135
Db 113 PTNYLFSLSVSDLLVLLGNLPLEVYEMWRYNYPFLFGVGCYFKTALFETVCFASILSIT 172

Qy 136 TVSVERYVAIHPFRALQSTRRRALRILGIVGFSVLFSLPNTSIHGKIFHYFPNGSLV 195
Db 173 ALSVERYAVVHPQLQARSMTTRAHVRVILGAVWGLMCLSLPNTSLHGIRQLHVPGRGPV 232

Qy 196 PGSATCTVIKPMWYNIQVTSFLFYLLPMTVISVLYLMALRV 240
Db 233 PDSAVCMVLPVPRALYNNVQTTALLFFCLPMAINSVLYLLIGLRL 277

RESULT 12
US-10-240-145-139
; Sequence 139, Application US/10240145
; Publication No. US20030235883A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 21272-048
; CURRENT APPLICATION NUMBER: US/10/240,145
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/668,680
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/695,618
; PRIOR FILING DATE: 2000-10-23

```

; PRIOR APPLICATION NUMBER: 09/728,711
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: NOT YET ASSIGNED
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Custom
; SEQ ID NO 139
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-240-145-139

Query Match      53.6%; Score 677.5; DB 12; Length 445;
Best Local Similarity 56.0%; Pred. No. 4e-59;
Matches 126; Conservative 41; Mismatches 55; Indels 3; Gaps 2;

QY 17 DPFQKLNSTEEYLAFLGPRRSHPFLSVVYVPIFVGVGNVLVCLVILQHQAMKT 75
DB 55 DP--EDLNLTDALRLKYLGPQOTELFMPICATYLLIFVVGAVGNGLTCLVILRHAKMT 112
QY 76 PTNYILFSLAVSDLLVLLGMPLEVMWRYNYPFLGPGVCFKTALETVCFASILSIT 135
DB 113 PTNYILFSLAVSDLLVLLGMPLEVMWRYNYPFLGPGVCFKTALETVCFASILSIT 172
QY 136 TVSYVERVAILHPFRKQLQSTRRALRLILGIWGFSLFSLPNTSIHGKHFYFNGSLV 195
DB 173 ALSVERVAVVHPQLQARSWTRAHVRVLGAVGNGLMCLSLNTSLHGIRQLHVPGRGPV 232
QY 196 PGSATCTVTKPMWYNIIFQVTSFLFYLLPMTVISVLYLMALRV 240
DB 233 FDSAVCNVLPPLRALYNWQTTALLFFCLPMAINSVLYLLIGLRL 277

RESULT 13
US-09-804-551B-26
; Sequence 26, Application US/09804551B
; Patent No. US20020056151A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Receptors for peptides from insects
; FILE REFERENCE: Le A 34 394
; CURRENT APPLICATION NUMBER: US/09/804,551B
; CURRENT FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: DE 100 13 618.4
; PRIOR FILING DATE: 2000-03-18
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-804-551B-26

Query Match      33.1%; Score 418; DB 9; Length 419;
Best Local Similarity 40.9%; Pred. No. 2.7e-33;
Matches 85; Conservative 49; Mismatches 62; Indels 12; Gaps 4;

QY 35 GPRRS--HFFLPVSVVYVPIFVGVGNVLVCLVILQHQAMKTPTNYILFSLAVSDLLVL 92
DB 11 GPPRDLPLAIVPTVTVVSLIFITGVGNISTCIVIKKRSMTATNYILFSLAISDFLL 70
QY 93 LLGMPLEVMWRYNYPFLGPGVCFKTALETVCFASILSITVSVRYVAILHPFRK 152
DB 71 LSGVPQSVSVWSKYPVVFGVEYICIGRLLAETSANATVLTITAFVRYIAICHPELQ 130
QY 153 LQSTRRALRLGIWGFSLFSLPNTSIHGKHFYFNGSLVPGSATCTVTKPMWYNYF 212
DB 131 AMSKLSRAIRIIVLWIMAVTAIPQAAQFGIE-HY-----SGVEQCQGIIVRVVKHSF 182
QY 213 IIQVTSFLFYLLPMTVISVLYLMALRV 240
DB 183 --QLSTFIFFLAPMSIILVLLIGVHL 208

RESULT 15
US-10-314-076-17
; Sequence 17, Application US/10314076
; Publication No. US20030152977A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY34, AND VARIANTS /
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: D0197NP
; CURRENT APPLICATION NUMBER: US/10/314,076
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: U.S. 60/338,371
; PRIOR FILING DATE: 2001-12-06
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 595
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-314-076-17

Query Match      27.9%; Score 352; DB 12; Length 595;
Best Local Similarity 37.9%; Pred. No. 1.6e-26;
Matches 75; Conservative 43; Mismatches 66; Indels 14; Gaps 5;

```


GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 13, 2004, 19:34:03 ; Search time 44 Seconds
(without alignments)
232.710 Million cell updates/sec

Title: US-09-684-725-2

Perfect score: 1263

Sequence: 1 MEKLNQASWYQKLEDPFQ.....LLPMTVISVLYLMALRVSI 242

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

- 1: /cgm2_6/ptodata/2/iaa/5A COMB.pdp.*
- 2: /cgm2_6/ptodata/2/iaa/5B COMB.pdp.*
- 3: /cgm2_6/ptodata/2/iaa/6A COMB.pdp.*
- 4: /cgm2_6/ptodata/2/iaa/6B COMB.pdp.*
- 5: /cgm2_6/ptodata/2/iaa/PCTUS COMB.pdp.*
- 6: /cgm2_6/ptodata/2/iaa/backfiles1.pdp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|--------------------|
| 1 | 1252 | 99.1 | 415 | 4 | US-09-545-944-2 |
| 2 | 680.5 | 53.9 | 403 | 4 | US-09-170-496D-114 |
| 3 | 680.5 | 53.9 | 403 | 4 | US-09-170-496D-224 |
| 4 | 304 | 24.1 | 353 | 1 | US-08-118-270-45 |
| 5 | 304 | 24.1 | 353 | 5 | PCT-US93-08528-45 |
| 6 | 281 | 22.2 | 416 | 3 | US-08-858-876A-4 |
| 7 | 281 | 22.2 | 416 | 3 | US-09-472-880-4 |
| 8 | 277 | 21.9 | 289 | 3 | US-09-077-675A-10 |
| 9 | 277 | 21.9 | 289 | 4 | US-09-077-674-10 |
| 10 | 277 | 21.9 | 361 | 3 | US-09-077-675A-8 |
| 11 | 277 | 21.9 | 361 | 4 | US-09-077-674-8 |
| 12 | 277 | 21.9 | 366 | 3 | US-09-077-675A-13 |
| 13 | 277 | 21.9 | 366 | 4 | US-09-077-674-13 |
| 14 | 277 | 21.9 | 366 | 4 | US-09-170-496D-88 |
| 15 | 277 | 21.9 | 366 | 4 | US-09-170-496D-210 |
| 16 | 274 | 21.7 | 353 | 3 | US-09-077-675A-3 |
| 17 | 274 | 21.7 | 353 | 4 | US-09-077-674-3 |
| 18 | 274 | 21.7 | 364 | 3 | US-09-077-675A-16 |
| 19 | 274 | 21.7 | 364 | 4 | US-09-077-674-16 |
| 20 | 273 | 21.6 | 289 | 3 | US-09-077-675A-5 |
| 21 | 273 | 21.6 | 289 | 4 | US-09-077-674-5 |
| 22 | 265 | 21.0 | 393 | 1 | US-07-629-1041-3 |
| 23 | 262.5 | 20.8 | 259 | 4 | US-09-261-599B-3 |
| 24 | 262.5 | 20.8 | 259 | 4 | US-09-456-455A-3 |
| 25 | 259 | 20.5 | 398 | 2 | US-08-288-663A-1 |
| 26 | 258 | 20.4 | 410 | 3 | US-08-858-876A-2 |
| 27 | 258 | 20.4 | 410 | 3 | US-09-472-880-2 |

ALIGNMENTS

RESULT 1

US-09-545-944-2

; Sequence 2, Application US/09545944

; Patent No. 6461836

; GENERAL INFORMATION:

; APPLICANT: AMES, ROBERT

; APPLICANT: ELSHOURBAGY, NABIL

; APPLICANT: MICHALOVICH, DAVID

; APPLICANT: SARAU, HENRY

; APPLICANT: SHABON, USMAN

; APPLICANT: VAWTER, LISA

; TITLE OF INVENTION: MOLECULAR CLONING OF A 7TM RECEPTOR

; FILE REFERENCE: (AXOR34) AND SCREENING METHODS THEREOF

; CURRENT APPLICATION NUMBER: US/09/545,944

; CURRENT FILING DATE: 2000-04-10

; PRIOR APPLICATION NUMBER: US 09/435,384

; PRIOR FILING DATE: 1999-11-05

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 2

; LENGTH: 415

; TYPE: PRT

; ORGANISM: HOMO SAPIENS

US-09-545-944-2

Query Match 99.1%; Score 1252; DB 4; Length 415;

Best Local Similarity 99.6%; Pred. No. 3.8e-107; Indels 0; Gaps 0;

Matches 239; Conservative 1; Mismatches 0;

QY 1 MEKLNQASWYQKLEDPFQKLNSTEEYLAFLCGPRSHFFLPVSVVYVPIFVVGVIGN 60

DB 4 MEKLNQASWYQKLEDPFQKLNSTEEYLAFLCGPRSHFFLPVSVVYVPIFVVGVIGN 63

QY 61 VLVLVLQHQAMKPTNYLFLSLAVSDLLVLLGMPLVEMWERNYPLFGPVGCFYKT 120

DB 64 VLVLVLQHQAMKPTNYLFLSLAVSDLLVLLGMPLVEMWERNYPLFGPVGCFYKT 123

QY 121 ALPETVCFASILSITTVSVVERVAILHHPRAKQSTRRALRILGIVMGFSLPNTS 180

DB 124 ALPETVCFASILSITTVSVVERVAILHHPRAKQSTRRALRILGIVMGFSLPNTS 183

QY 181 IHGKIKHPYFNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV 240

DB 184 IHGKIKHPYFNGSLVPGSATCTVIKPMWYINFIQVTSFLYLLPMTVISVLYLMALRV 243

RESULT 2

US-09-170-496D-114

; Sequence 114, Application US/09170496D

Patent No. 6555339
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patent in version 3.1
SEQ ID NO 114
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-09-170-496D-114

Query Match
Best Local Similarity 53.9%; Score 680.5; DB 4; Length 403;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRRSHFFLPVSVVVYPIFVVGVLVCLVILQHQAMKT 75
DB 13 DP--EDLNLTDALRLKYLGPQOTELFPCATYLLIFVVGAVGNGLTCLVILRHKA 70

QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMRWNPFLPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMRWNPFLPGVGCYFKTALFETVCFASILSIT 130

QY 136 TVSVERYVAILHPFRALQSTRRLRILGIWGVFSLPNTSIHGKIFHFYFNGSLV 195
DB 131 ALSVERYAVVHPQLQARSMTVAHRRVILGAVWGLMCLSPNTSLHGIRQLHVCRCGPV 190

QY 196 PGSATCTVIKPMWYNFIQVTSFLFYLLPMTVSVLYLMLRV 240
DB 191 PDSAVCMVLRPRALYNNVQTTALLFFCLPMAIMSVLYLLIGRL 235

US-09-170-496D-224
Query Match
Best Local Similarity 53.9%; Score 680.5; DB 4; Length 403;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRRSHFFLPVSVVVYPIFVVGVLVCLVILQHQAMKT 75
DB 13 DP--EDLNLTDALRLKYLGPQOTELFPCATYLLIFVVGAVGNGLTCLVILRHKA 70

QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMRWNPFLPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMRWNPFLPGVGCYFKTALFETVCFASILSIT 130

QY 136 TVSVERYVAILHPFRALQSTRRLRILGIWGVFSLPNTSIHGKIFHFYFNGSLV 195

Patent No. 6555339
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0040
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patent in version 3.1
SEQ ID NO 114
LENGTH: 403
TYPE: PRT
ORGANISM: Homo sapiens
US-09-170-496D-114

Query Match
Best Local Similarity 53.9%; Score 680.5; DB 4; Length 403;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRRSHFFLPVSVVVYPIFVVGVLVCLVILQHQAMKT 75
DB 13 DP--EDLNLTDALRLKYLGPQOTELFPCATYLLIFVVGAVGNGLTCLVILRHKA 70

QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMRWNPFLPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMRWNPFLPGVGCYFKTALFETVCFASILSIT 130

QY 136 TVSVERYVAILHPFRALQSTRRLRILGIWGVFSLPNTSIHGKIFHFYFNGSLV 195
DB 131 ALSVERYAVVHPQLQARSMTVAHRRVILGAVWGLMCLSPNTSLHGIRQLHVCRCGPV 190

QY 196 PGSATCTVIKPMWYNFIQVTSFLFYLLPMTVSVLYLMLRV 240
DB 191 PDSAVCMVLRPRALYNNVQTTALLFFCLPMAIMSVLYLLIGRL 235

US-09-170-496D-224
Query Match
Best Local Similarity 53.9%; Score 680.5; DB 4; Length 403;
Matches 126; Conservative 42; Mismatches 54; Indels 3; Gaps 2;

QY 17 DPQKHLNSTEYLAF-LCGPRRSHFFLPVSVVVYPIFVVGVLVCLVILQHQAMKT 75
DB 13 DP--EDLNLTDALRLKYLGPQOTELFPCATYLLIFVVGAVGNGLTCLVILRHKA 70

QY 76 PTNYLFLSLAVSDLLVLLGLMPLVEYEMRWNPFLPGVGCYFKTALFETVCFASILSIT 135
DB 71 PTNYLFLSLAVSDLLVLLGLMPLVEYEMRWNPFLPGVGCYFKTALFETVCFASILSIT 130

QY 136 TVSVERYVAILHPFRALQSTRRLRILGIWGVFSLPNTSIHGKIFHFYFNGSLV 195

RESULT 6
US-08-858-876A-4
; Sequence 4, Application US/08859876A
; Patent No. 6023856
; GENERAL INFORMATION:
; APPLICANT: Daniel CAPUT
; APPLICANT: Pascale CHALON
; APPLICANT: Pascale FERRARA


```

; APPLICATION NUMBER: 42,452
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19589P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 289 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-077-674-10

Query Match 21.9%; Score 277; DB 4; Length 289;
Best Local Similarity 31.7%; Pred. No. 5.9e-16;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;

QY 45 VSVVVPFVGVGNVLVCLVILQHQAMKPTNYLFSLAVSDLLVLLGMPLEVMW 104
DB 46 VTATCVLFVVGIAAGNLLTMLVRSFRELRTTNLYLSSNAFSDLLIFLC-MPLDLVRLW 104
QY 105 RNYPLFGVGCYKFTALFETVCFASILSIITVSVERVAILHPFRKLQSTRRLRIL 164
DB 105 QYRPNFGDLLCKLQFVSECTATVLTITALSVERYFAICFPPLRAKVVVTKGRVKLVI 164
QY 165 GIVGFSVLFSLPNTSIHGKHPFPNGS-----LVPGSATCTVIKPMWYNYF 212
DB 165 FVIWAVAFCSAGPIFVLGVGEHE---NGTDPWDTNECRPTFAVRSGLLTVM--VMV--- 216
QY 213 IIQVTSFLFLPMVVISVLYLMAIRV 240
DB 217 -----SSIFFFLPVCLTVLYSLIGRKL 239

RESULT 10
US-09-077-675A-8
; Sequence 8, Application US/09077675A
; Patent No. 6242199
; GENERAL INFORMATION:
; APPLICANT: Pai, Lee-Yuh
; APPLICANT: Feighner, Scott C.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Pong, Sheng-Shung
; APPLICANT: Van Der Ploeg, Leonardus H.T.
; TITLE OF INVENTION: RECEPTOR ASSAY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: IBM Compatible
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,675A
; FILING DATE: 3-JUN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.

; APPLICATION NUMBER: 42,452
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 19589P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1273
; TELEFAX: 732-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 361 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-077-675A-8

Query Match 21.9%; Score 277; DB 3; Length 361;
Best Local Similarity 31.7%; Pred. No. 7.5e-18;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;

QY 45 VSVVVPFVGVGNVLVCLVILQHQAMKPTNYLFSLAVSDLLVLLGMPLEVMW 104
DB 41 VTATCVLFVVGIAAGNLLTMLVRSFRELRTTNLYLSSMAFSDLLIFLC-MPLDLVRLW 99
QY 105 RNYPLFGVGCYKFTALFETVCFASILSIITVSVERVAILHPFRKLQSTRRLRIL 164
DB 100 QYRPNFGDLLCKLQFVSECTATVLTITALSVERYFAICFPPLRAKVVVTKGRVKLVI 159
QY 165 GIVGFSVLFSLPNTSIHGKHPFPNGS-----LVPGSATCTVIKPMWYNYF 212
DB 160 FVIWAVAFCSAGPIFVLGVGEHE---NGTDPWDTNECRPTFAVRSGLLTVM--VMV--- 211
QY 213 IIQVTSFLFLPMVVISVLYLMAIRV 240
DB 212 -----SSIFFFLPVCLTVLYSLIGRKL 234

RESULT 11
US-09-077-674-8
; Sequence 8, Application US/09077674
; Patent No. 6531314
; GENERAL INFORMATION:
; APPLICANT: Arena, Joseph P.
; APPLICANT: Cully, Doris F.
; APPLICANT: Feighner, Scott D.
; APPLICANT: Howard, Andrew D.
; APPLICANT: Liberator, Paul A.
; APPLICANT: Schaeffer, James W.
; APPLICANT: Van Der Ploeg, Leonardus
; TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/077,674
; FILING DATE: 3-JUN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cocuzzo, Anna L.
; REGISTRATION NUMBER: 42,452
; REFERENCE/DOCKET NUMBER: 19589P
```


TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 361 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-077-674-8

Query Match 21.9%; Score 277; DB 4; Length 361;
Best Local Similarity 31.7%; Pred. No. 7.6e-18;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
QY 45 VSVVVPFVVGIVGIVCLVILQHOAMKPTNYLFLSLAVSDLLVLLGMPLEYVEMW 104
Db 41 VTATCVAFVVGAGNLLTMLVSRFRELTTNLYLSSWAFSDLLIFLC-MPLDLVRLW 99
QY 105 RNVFPLFGPGVCYKTKALFTVCPASILSTTTSVRYVAILHPFRAKLOSTRRLRIL 164
Db 100 QYRPWFGDLLCKLFQVSESECTVATLTITLSVERYFAICFPLRAKVVVTKGRVKLVI 159
QY 165 GIWGFVSLPSPNTSHGKHFYFNGS-----LVPGSATCTVIKPMWYNF 212
Db 160 FVIWAVAFCSAGPIFVLGVGEH-----NGTDPWDTNECRPTEFAVRSGLLTVM--VWV--- 211
QY 213 IIQVTSFLVLLPMTVISVLYLMAKRV 240
Db 212 -----SSIFFPLVPCLTVLYSLIGRKL 234

RESULT 12
US-09-077-675A-13
Sequence 13, Application US/09077675A
Patent No. 6242199
GENERAL INFORMATION:
APPLICANT: Pai, Lee-Yuh
APPLICANT: Feighner, Scott C.
APPLICANT: Howard, Andrew D.
APPLICANT: Peng, Sheng-Shung
APPLICANT: Van Der Ploeg, Leonardus H.T.
TITLE OF INVENTION: RECEPTOR ASSAY
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway
STATE: NJ
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
FILING DATE: 3-JUN-1998
APPLICATION NUMBER: US/09/077.675A
CLASSIFICATION:
PRIOR APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cocuzzo, Anna L.
REGISTRATION NUMBER: 42,452
REFERENCE/DOCKET NUMBER: 19590P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 366 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-077-675A-13
Query Match 21.9%; Score 277; DB 3; Length 366;
Best Local Similarity 31.7%; Pred. No. 7.6e-18;
Matches 66; Conservative 47; Mismatches 69; Indels 26; Gaps 5;
QY 45 VSVVVPFVVGIVGIVCLVILQHOAMKPTNYLFLSLAVSDLLVLLGMPLEYVEMW 104
Db 46 VTATCVAFVVGAGNLLTMLVSRFRELTTNLYLSSWAFSDLLIFLC-MPLDLVRLW 104
QY 105 RNVFPLFGPGVCYKTKALFTVCPASILSTTTSVRYVAILHPFRAKLOSTRRLRIL 164
Db 105 QYRPWFGDLLCKLFQVSESECTVATLTITLSVERYFAICFPLRAKVVVTKGRVKLVI 164
QY 165 GIWGFVSLPSPNTSHGKHFYFNGS-----LVPGSATCTVIKPMWYNF 212
Db 165 FVIWAVAFCSAGPIFVLGVGEH-----NGTDPWDTNECRPTEFAVRSGLLTVM--VWV--- 216
QY 213 IIQVTSFLVLLPMTVISVLYLMAKRV 240
Db 217 -----SSIFFPLVPCLTVLYSLIGRKL 239

RESULT 13
US-09-077-674-13
Sequence 13, Application US/09077674
Patent No. 6531314
GENERAL INFORMATION:
APPLICANT: Arena, Joseph P.
APPLICANT: Cully, Doris F.
APPLICANT: Feighner, Scott D.
APPLICANT: Howard, Andrew D.
APPLICANT: Liberator, Paul A.
APPLICANT: Schaeffer, James M.
APPLICANT: Van Der Ploeg, Leonardus
TITLE OF INVENTION: GROWTH HORMONE SECRETAGOGUE RECEPTOR FAMILY
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway
STATE: NJ
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
FILING DATE: 3-JUN-1998
APPLICATION NUMBER: US/09/077.674
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cocuzzo, Anna L.
REGISTRATION NUMBER: 42,452
REFERENCE/DOCKET NUMBER: 19589P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1273
TELEFAX: 732-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:

